AD697137

SELECTIVE DISSEMINATION OF INFORMATION SYSTEM

FORT DETRICK
FREDERICK, MARYLAND

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RESEARCH AND DEVELOPMENT CORPORATION

AN ED&D COMPANY

124

System Id: NOV 69

Title: Selective Dissemination of Information

Purpose of System: The system is designed to update monthly the participating scientists and his interests and to inform the participants of newly published literature in each field of interest.

Requested By:

Analyst:

Programmer: Sally Lukasiewicz

Documented By: Sally Lukasiewicz

Date Last Revised:

NOV 30 1969

Source Language: COBOL

Computer: CDC 3150

[illegible] Distribution [illegible]

Required Components: Card Reader, Printer

2 tape units

3 disk packs

Object Time Storage Requirements -

Main Memory:

Secondary:

Security Classification -

Program: Unclassified

Data: Unclassified

Reviewed By: Approved By:

/s/ Branch Chief /s/ Division Chief

Chief, Systems Branch Chief, Data Systems Division

SYSTEM DESCRIPTION

System Title: Selective Dissemination of Information

Objectives of the System:

1. Create and update the Interest Profile by adding, changing or deleting scientists participating in system and produce a file of interest tags.

2. Produce a listing of the participating scientists and his fields of interest.

3. Sort the Interest Tags into sequence by alphabetic tag name.

4. The Sorted Interest Tags are matched to the Medlars Medical Subject Heading (MESH) Dictionary in order to numerically code the interest tag.

5. The Coded Interest Tags are sorted by participant number, interest number, and tag number.

6. The Sorted Coded Interest Tags are matched to the Medlars Retrieved Citation File (RCF) and all citations meeting the interest requirements are selected.

7. The Selected Citations are listed on special double 3" x 5" card forms. One card notifies the participant of the literature available in his field of interest. The other card is a response card to be

returned by the participant showing whether he is interested or not.

8. The Response Cards received from the participating scientists are counted and a statistics report is generated showing the number of notifications sent to the participants and the type of responses received.

System Description:

The first step of the system is to update o create the Interest Profile which contains each participating scientist's name, address and various fields of interest. The Interest Profile is updated by means of Action Cards which can add, change or delete information. Any card in error is listed on the printer. A file of Interest Tags is produced which contains one record per interest tag on the Interest Profile.

An accompanying print program lists the Interest Profile showing each participant and his various fields of interest and the interest weight associated with each of these interests.

The second step of the system is to format the data so as to be able to retrieve the citations which meet the participant's requirements. The Interest Tags are sorted by alphabetic tag name and then matched to the Medlars Medical Subject Heading (MESH) Dictionary. Any unmatched interest tag is recorded on the printer. The matched interest tags are coded with the numeric code found on the MESH Dictionary. The Coded Interest tags

are sorted into sequence by participant number, interest number, and tag number and then matched to the Retrieved Citation File (RCF). When the citation contains the code of the interest tag and the weight is M (must), the citation is selected. If the citation contains several interest codes such that the sum of the associated weights is more than 9, the citation is selected. If the citation has the interest code but the weight is N (not), the citation is bypassed.

The third step of the system is to notify the participants of the literature available and to develop statistics which reflect the number of notices sent and the type of responses received. The Selected Citations are listed on special double 3" x 5" card forms which contain a notice card of the citation selected and a response card which the participant returns showing the action desired. The number of notifications per participant is accumulated and recorded on the Interest Profile. After the Response Cards have been returned, the cards are accumulated and a statistics report is produced showing the notifications sent and type of responses received for each participant.

Program ID: "UPDATE"

Title: Create and Update Interest Profile

Purpose of Program: The Interest Profile is created or updated by means of the Interest Action cards. The Interest Tags are alsc generated on disk and any error cards encountered are recorded on the printer.

PROGRAM DESCRIPTION

Program Title: Create and Update Interest Profile

Objectives of the Program:

The Interest Action cards are submitted to add, change or delete participants on the Interest Profile. Whenever cards are in error, they are listed with an appropriate error code. All interest tags on the Interest Profile are formatted into the Interest Tags File which is recorded on disk.

The option exists to initially create the Interest Profile from cards by means of a console message to specify that the input Interest Profile is absent.

The data cards are followed by a "1EOF" card. The Interest Profile will be the output tape generated within the previous run of the Selective Dissemination of Information system.

Action cards will be in sequence by card columns 1-15.

The Interest Profile is in sequence by positions 1-14.

The action code (cc. 15) of the Action cards will contain one of the following codes:

A - Addition
C - Change
D - Delete

The card type (cc. 10) of the Action cards will contain one of the following codes:

1 - Name Card
2 - Address Card
4 - Interest Tag Card

The record type (pos. 10) of the Interest Profile will contain one of the following codes:

1 - Name Record
2 - Address Record
4 - Interest Tag Record
5 - Statistical Record

The Error Listing is printed on standard paper using the standard carriage tape. The listing is used to determine corrections to the next run. The Interest Tags File is retained as input to the Sort by English Interest Tag.

INTEREST PROFILE UPDATE

ERROR CODES

CODE	REASON
1.	If participant number is not on profile, first card must be an add name.
2.	When a participant is added to the file, all action cards for that participant must be add cards.
3.	Only one name card may be entered for a participant.
4.	Only one address card may be entered for a participant.
5.	Only one interest card per tag may be entered for a participant.
6.	Invalid type code. Only codes 1, 2, and 4 are permitted.
7.	An action card has deleted this participant.
8.	This participant is already on the interest profile; an action card on the name must be a delete or a change.
9.	An action card on the address of a participant already contained on the interest profile may only be a change.
10.	An action has been entered to change or delete a tag that is not on the profile.
11.	An action code must be A, C, or D.
12.	Card is out-of-sequence.
13.	More than 15 interests have been entered for a participant.
14.	More than 99 tags per interest have been entered for a participant.
15.	Weight invalid for interest number.
16.	More than 300 tags per participant.

Program ID: "PROLST"

Title: Print Profile

Purpose of Program: The Interest Profile is printed showing participating scientists and his fields of interest and the associated weight given to the interest.

PROGRAM DESCRIPTION

Program Title: Print Profile

Objectives of the Program:

This program lists the Interest Profile in order to show the participating scientists and his fields of interest within the Selective Dissemination of Information system. Each interest is listed by its priority with the associated interest tag numbers, names and weights.

A date card is required in the format Day Month Year (DD MMMMMMMMM YYYY) in card columns 1-17.

The Profile Status Report produced is printed on standard paper using the standard carriage tape. The Interest Profile is retained as input to the Print Notifications program within this system.

Program Id: "CODETG"

Title: Code Interest Tags

Purpose of Program: The Sorted Interest Tags are matched by interest tag name to the Medlars Medical Subject Heading (MESH) Dictionary in order to transfer the numeric code from the Mesh Dictionary to the Interest Tags.

PROGRAM DESCRIPTION

Program Title: Code Interest Tags

Objections of the Program:

The Sorted Interest Tags are matched to the Medlars Medical Subject Heading (MESH) Dictionary by interest name. The numeric code from the MESH Dictionary record is transferred to the interest tag record to produce the Coded Interest Tags. Any interest tag which is unmatched is written on the printer.

The Sorted Interest Tags are in sequence by interest tag name, positions 1-48.

The MESH Dictionary is in sequence by English main heading, positions 1-48.

A date card is required in the format (DD MMMMMMMMM YYYY) in positions 1-17.

The Unmatched Tag Listing is printed on standard paper using the standard carriage tape. The listing is used to determine if corrections are needed. The Coded Interest Tags are retained as input to the Sort by Participant, Interest, and Tag.

Program Id: "SELCIT"

Title: Select Citations

Purpose of Program: The Retrieved Citations File (RCF) is searched for citations which match a participant's requirements.

PROGRAM DESCRIPTION

Program Title: Select Citations

Objectives of the Program:

The Retrieved Citation File (RCF) is matched to the Sorted-Coded Interest Tags. When the citation contains the interest tag code, the weight is tested to determine if the citation is required or not.

If the weight is M (must), the citation is selected. If the interest tag weight is N (not), the matching citation is bypassed without further checking. A citation which matches an interest tag with a numeric weight must be further tested to see if it contains several other interest codes so that the combined weight of the interest tags is greater than nine (9). When a combination weight is found greater than nine (9), the citation is selected.

The Retrieved Citation File (RCF) is searched completely or until a maximum of five hundred (500) citations per participant has been selected.

The option exists to start processing with any specific participant by typing in the participant's social security number when requested. If processing is to start with the first participant, nine zeros are typed in.

At the end of processing the specific participant a message is displayed giving the number of the participant just processed. If the program is to continue a Y is typed in. Otherwise, a N is typed in to display the next participant number on file and to go to end of job.

Program Id: "NOTLST"

Title: Print Notifications

Purpose of Program: The Selected Citations are printed on special double 3" x 5" card forms with the number of notifications sent per participant being updated to the Interest Profile.

PROGRAM DESCRIPTION

Program Title: Print Notifications

Objectives of the Program:

The Selected Citations are printed on special double 3"X5" card forms showing the interest's description and weight responsible for the citation's selection. A count of the citations selected is updated to the Interest Profile for subsequent use by the SDI Statistics Print program. A maximum of two hundred (200) notification-response cards is printed per participant from the limit of five hundred (500) selected citations.

Each card form contains a notification card showing what literature is available and a response card which the participant later returns indicating an interest or not in the particular citation.

A Control card is required in the format Starting Participant Number in card columns 1-9, Ending Participant Number in card columns 10-18, and an asterick (*) in card column 80. This card allows only those participants selected in the run of the Citation Selection program to be processed. If all participants are to be processed, all zeros are inserted to the Starting Participant Number and all nines are inserted to the Ending Participant Number.

A date card following the control card in the format Day Month Year (DD MMMMMMMMM YYYY) in card columns 1-17 and alphabetic Month Abbreviation (MMMM) in card columns 18-21 is required.

Program Id: "STATIS"

Title: Print SDI Statistics

Purpose of Program: Statistics reflecting the number of notifications and the type of responses received per participant are printed.

PROGRAM DESCRIPTION

Program Title: Print SDI Statistics

Objectives of the Program:

The Response Cards are accumulated by type for each participant and recorded together with the number of notifications sent out.

The Interest Profile contains the number of notifications sent out as was updated to record type 5 in the Print Notifications program.

A date card in the format Day Month Year (DD MMMMMMMMM YYYY) in card columns 1-17 is required.

The Response Cards are in sequence by participant number and have the format:

Participant Number	-	cc. 1-9
Response Type 1	-	cc. 18-20
Response Type 2	-	cc. 28-30
Response Type 3	-	cc. 38-40

The Response Type 4 total is calculated by finding the total of response 1, response 2 and response 3 and subtracting this sum from the number of notifications for this participant.

An end-of-file card is required in the format: all nines in card columns 1-10 (9999999999).

3150 OPERATING INSTRUCTIONS

MAX.TIME 20 SEQUENCE NO. _____

RUN ID SD01 RUN NAME CREATE AND UPDATE INTEREST PROFILE

REQUESTER _____ ATTEND _____ AUTH. _____

COST CENTER 5730 WORK CODE 000 STEP 1

FORE/BACK _____ MSOS/OTHER _____

JUMP SWITCH: 1. _____, 2. _____, 3. _____, 4. _____, 5. _____

MAG.TAPE:

IN:	UNIT	LUN	LABEL	REEL	RING	DISPOSITION
	1	1	Interest Profile			
OUT:	2	2	(Updated) Interest Profile			

CARDS:

IN: LABEL _____ DISPOSITION Action Cards followed by "1EOF" card

OUT: LABEL _____ DISPOSITION _____

DISK:

PACK NO. 120 tracks _____, _____, _____

PRINTER:

LABEL _____ FORM NO. STD PARTS 1 CARRIAGE TAPE STD

PAPER TAPE:

IN: LABEL _____ DISPOSITION _____

OUT: LABEL _____ DISPOSITION _____

SPECIAL INSTRUCTIONS:

Type in according to option required when requested by console:

1 - Input Interest Profile present

2 - Initial run; no input tape present

SMUFD FORM 2006 (Test)
(Aug 68)

HALTS:

NO.	CAUSE/CORRECTIVE ACTION
1. Input Tape Out of Sequence - Stop Run	Check Previous Run of Program to Determine Generated Error
2. Mass Storage Area Exceeded - Stop Run	Disk Allocation Exceeded - Reallocate and Rerun

OPERATOR COMMENTS:

3150 OPERATING INSTRUCTIONS

MAX.TIME 20 SEQUENCE NO. _____

RUN ID SD02 RUN NAME PRINT PROFILE

REQUESTER _____ ATTEND _____ AUTH. _____

COST CENTER 5730 WORK CODE 000 STEP 2

FORE/BACK _____ MSOF/OTHER _____

JUMP SWITCH: 1. _____, 2. _____, 3. _____, 4. _____, 5. _____

MAG.TAPE:

	UNIT	LUN	LABEL	REEL	RING	DISPOCITION
IN:	2	2	(Updated) Interest Profile			
OUT:						

CARDS:
IN: LABEL _____ DISPOSITION Date Card

OUT: LABEL _____ DISPOSITION _____

DISK:
PACK NO. _____, _____, _____, _____

PRINTER:
LABEL _____ FORM NO. _____ PARTS 1 CARRIAGE TAPE STD

PAPER TAPE:
IN: LABEL _____ DISPOSITION _____

OUT: LABEL _____ DISPOSITION _____

SPECIAL INSTRUCTIONS:

SMUFD FORM 2006 (Test)
(Aug 68)

HALTS:

NO.	CAUSE/CORRECTIVE ACTION
1. Input Tape Out of Sequence - Previous Program Error	Interest Profile Tape Out of Sequence - Check Previous Program for Error
2. No Name Record for Participant - Stop Run	No Record Type 1 exists for This Participant
3. No Name and Address for Participant - Stop Run	Record Types 1 and 2 are missing for This Participant

OPERATOR COMMENTS:

3150 OPERATING INSTRUCTIONS

MAX.TIME 15 SEQUENCE NO. _____

RUN ID SD03 RUN NAME SORT BY ENGLISH INTEREST TAG

REQUESTER _____ ATTEND _____ AUTH. _____

COST CENTER 5730 WORK CODE 000 STEP 3

FORE/BACK _____ MSOF/OTHER _____

JUMP SWITCH: 1. _____, 2. _____, 3. _____, 4. _____, 5. _____

MAG.TAPE:

	UNIT	LUN	LABEL	REEL	RING	DISPOSITION
IN:						
OUT:						

CARDS:

IN: LABEL _____ DISPOSITION _____

OUT: LABEL _____ DISPOSITION _____

DISK:

PACK NO. _____, _____, _____, _____

PRINTER:

LABEL _____ FORM NO. _____ PARTS ____ CARRIAGE TAPE _____

PAPER TAPE:

IN: LABEL _____ DISPOSITION _____

OUT: LABEL _____ DISPOSITION _____

SPECIAL INSTRUCTIONS:

SMUFD FORM 2006 (Test)
(Aug 68)

HALTS:

NO. CAUSE/CORRECTIVE ACTION

OPERATOR COMMENTS:

3150 OPERATING INSTRUCTIONS

MAX.TIME 20 SEQUENCE NO. _____

RUN ID SD04 RUN NAME CODE INTEREST TAGS

REQUESTER _____ ATTN. _____ AUTH. _____

COST CENTER 5730 WORK CODE 000 STEP 4

FORE/BACK _____ MSOS/OTHER _____

JUMP SWITCH: 1. _____, 2. _____, 3. _____, 4. _____, 5. _____

MAG.TAPE:

IN:	UNIT	LUN	LABEL	REEL	RING	DISPOCITION
OUT:						

CARDS:

IN: LABEL _____ DISPOSITION Date Card

OUT: LABEL _____ DISPOSITION _____

DISK:

PACK NO. 200 tracks, _____, _____, _____

PRINTER:

LABEL _____ FORM NO. STD PARTS 1 CARRIAGE TAPE STD

PAPER TAPE:

IN: LABEL _____ DISPOSITION _____

OUT: LABEL _____ DISPOSITION _____

SPECIAL INSTRUCTIONS:

SMUFD FORM 2006 (Test)
(Aug 68)

HALTS: NO.	CAUSE/CORRECTIVE ACTION
1. Input Interest Tags Out of Sequence - Stop Run	Interest Tag Sort in Error
2. Output Area for Coded Interest Tags Exceeded - Stop Run - Reallocate Area	Disk Allocation Exceeded - Reallocate and Rerun
3. Input Mesh Dictionary Out of Sequence - Stop Run	Mesh Dictionary Sort in Error

OPERATOR COMMENTS:

3150 OPERATING INSTRUCTIONS

MAX.TIME 15 SEQUENCE NO. _____

RUN ID SD05 RUN NAME SORT BY PARTICIPANT, INTEREST AND TAG

REQUESTER _____ ATTEND _____ AUTH. _____

COST CENTER 5730 WORK CODE 000 STEP 5

FORE/BACK _____ MSOS/OTHER _____

JUMP SWITCH: 1. _____, 2. _____, 3. _____, 4. _____, 5. _____

MAG.TAPE:

	UNIT	LUN	LABEL	REEL	RING	DISPOCITION
IN:						
OUT:						

CARDS:
IN: LABEL _____ DISPOSITION _____

OUT: LABEL _____ DISPOSITION _____

DISK:
PACK NO. _____, _____, _____, _____

PRINTER:
LABEL _____ FORM NO. _____ PARTS _____ CARRIAGE TAPE _____

PAPER TAPE:
IN: LABEL _____ DISPOSITION _____

OUT: LABEL _____ DISPOSITION _____

SPECIAL INSTRUCTIONS:

SMUFD FORM 2006 (Test)
(Aug 68)

HALTS:

NO.	CAUSE/CORRECTIVE ACTION

OPERATOR COMMENTS:

3150 OPERATING INSTRUCTIONS

MAX.TIME Unknown SEQUENCE NO. _____

RUN ID SD06 RUN NAME SELECT CITATIONS

REQUESTER _____ ATTEND _____ AUTH. _____

COST CENTER 5730 WORK CODE 000 STEP 6

FORE/BACK _____ MSOS/OTHER _____

JUMP SWITCH: 1. _____, 2. _____, 3. _____, 4. _____, 5. _____

MAG.TAPE:

IN:	UNIT	LUN	LABEL	REEL	RING	DISPOCITION
OUT:						

CARDS:

IN: LABEL _____ DISPOSITION _____

OUT: LABEL _____ DISPOSITION _____

DISK:

PACK NO. 500 tracks, _____, _____, _____

PRINTER:

LABEL _____ FORM NO. _____ PARTS ____ CARRIAGE TAPE _____

PAPER TAPE:

IN: LABEL _____ DISPOSITION _____

OUT: LABEL _____ DISPOSITION _____

SPECIAL INSTRUCTIONS:

Type in Beginning Participant Number as follows:

If first Participant of file is to be processed type in nine zeros (000000000)

If specific Participant on file is to be processed type in number as displayed in previous run of this program

SMUFD FORM 2006 (Test) Save all console messages for use in next run (Aug 68)

HALTS:

NO.	CAUSE/CORRECTIVE ACTION
1. Coded Tags Out of Sequence - Stop Run	Coded Interest Tag Sort in Error
2. Output Citation Area Exceeded- Stop Run	Disk Area Allocated Exceeded - Reallocate and Rerun

OPERATOR COMMENTS:

3150 OPERATING INSTRUCTIONS

MAX.TIME 30 SEQUENCE NO. _____

RUN ID SD07 RUN NAME PRINT NOTIFICATIONS

REQUESTER _____ ATTEND _____ AUTH. _____

COST CENTER 5730 WORK CODE 000 STEP 7

FORE/BACK _____ MSOF/OTHER _____

JUMP SWITCH: 1. _____, 2. _____, 3. _____, 4. _____, 5. _____

MAG.TAPE:

	UNIT	LUN	LABEL	REEL	RING	DISPOSITION
IN:	1	1	(Updated) Interest			
			Profile			
OUT:	2	2	(Interm) Interest			
			Profile			

CARDS:

IN: LABEL _____ DISPOSITION Control card followed by Date card

OUT: LABEL _____ DISPOSITION _____

DISK:

PACK NO. _____, _____, _____, _____

PRINTER: Notifications

LABEL _____ FORM NO. Forms PARTS 1 CARRIAGE TAPE #27

PAPER TAPE:

IN: LABEL _____ DISPOSITION _____

OUT: LABEL _____ DISPOSITION _____

SPECIAL INSTRUCTIONS:

When special double 3" x 5" card forms and carriage tape #27 have been inserted in printer, Type y to proceed

SMUFD FORM 2006 (Test)
(Aug 68)

HALTS:

NO.	CAUSE/CORRECTIVE ACTION
1. Citation File Out of Sequence - Stop Run	Citation Selection program in Error
2. Profile Tape Out of Sequence - Stop Run	Profile Interest tape undated incorrectly - check previous system programs

OPERATOR COMMENTS:

3150 OPERATING INSTRUCTIONS

MAX.TIME 15 SEQUENCE NO. _____

RUN ID SD08 RUN NAME PRINT SDI STATISTICS

REQUESTER _____ ATTEND _____ AUTH. _____

COST CENTER 5730 WORK CODE 000 STEP 8

FORE/BACK _____ MSOF/OTHER _____

JUMP SWITCH: 1. _____, 2. _____, 3. _____, 4. _____, 5. _____

MAG.TAPE:

	UNIT	LUN	LABEL	REEL	RING	DISPOSITION
IN:	1	1	(Interm) Interest Profile			
OUT:						

CARDS:

IN: LABEL _____ DISPOSITION Date card followed by Response cards followed by End-of-Date card

OUT: LABEL _____ DISPOSITION _____

DISK:

PACK NO. _____, _____, _____, _____

PRINTER:

LABEL _____ FORM NO. STD PARTS 1 CARRIAGE TAPE STD

PAPER TAPE:

IN: LABEL _____ DISPOSITION _____

OUT: LABEL _____ DISPOSITION _____

SPECIAL INSTRUCTIONS:

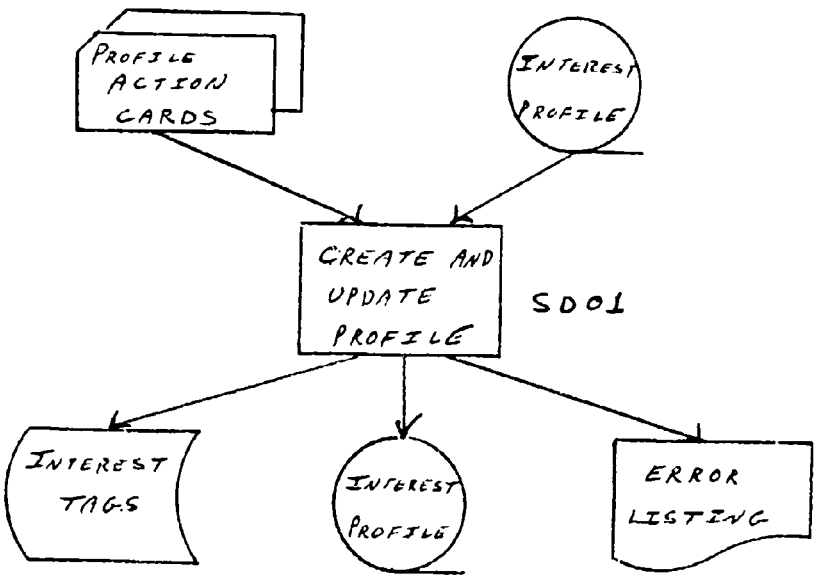
SMUFD FORM 3006 (Test)
(Aug 68)

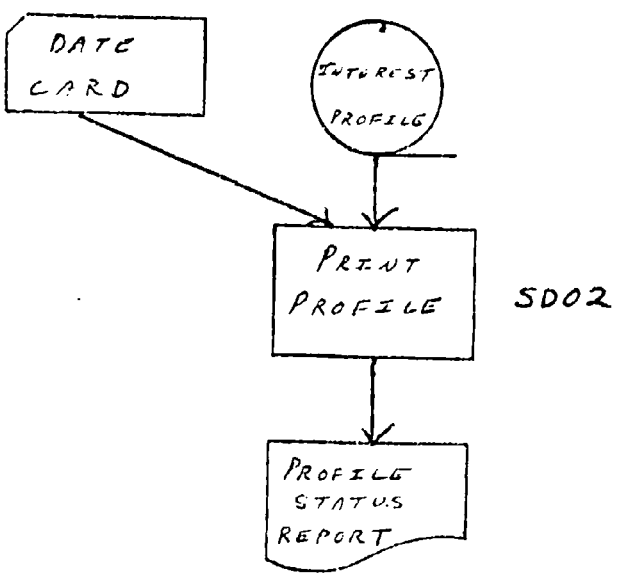
HALTS:

NO.	CAUSE/CORRECTIVE ACTION	
1.	Input Card Out of Sequence - Resort and Restart	Response Cards not in Participant sequence
2.	Profile Input Out of Sequence - Stop Run	Interest Profile tape undated incorrectly in previous system programs

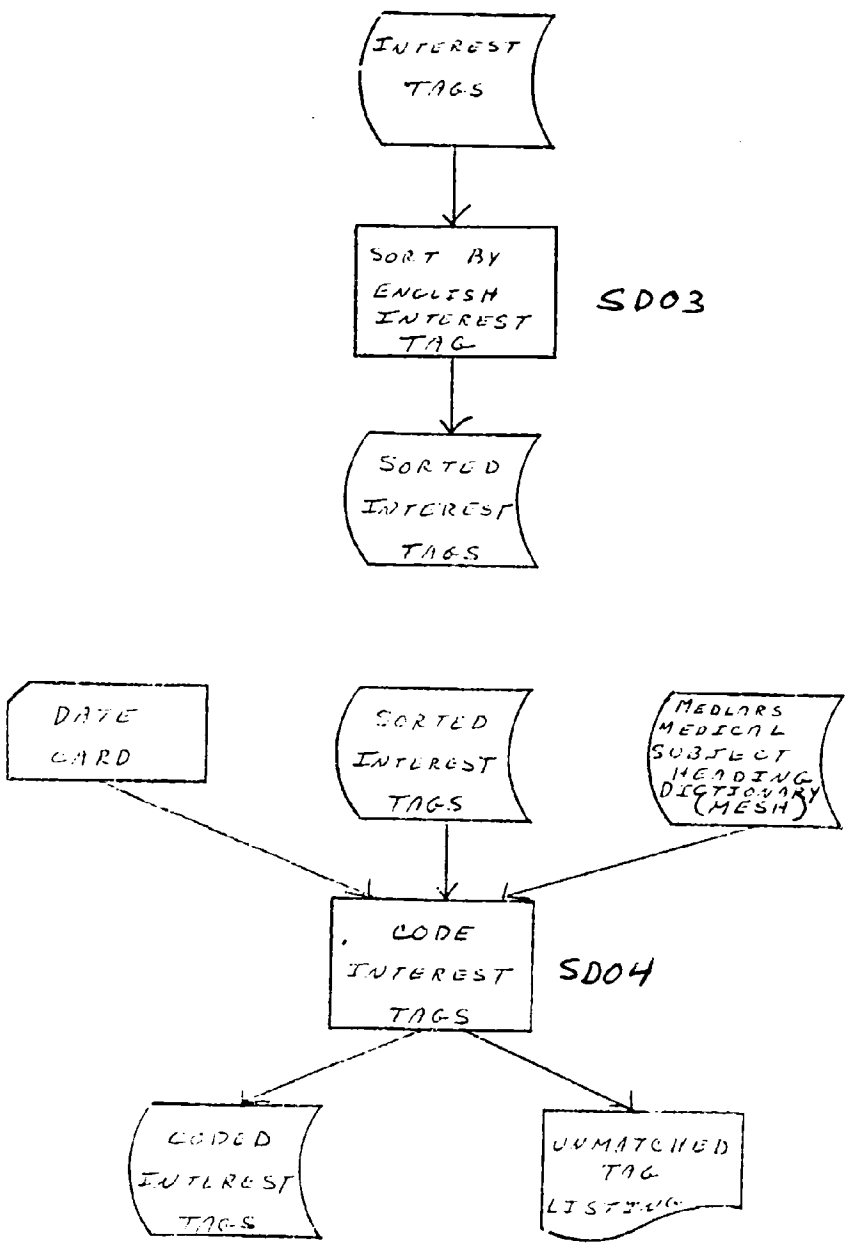
OPERATOR COMMENTS:

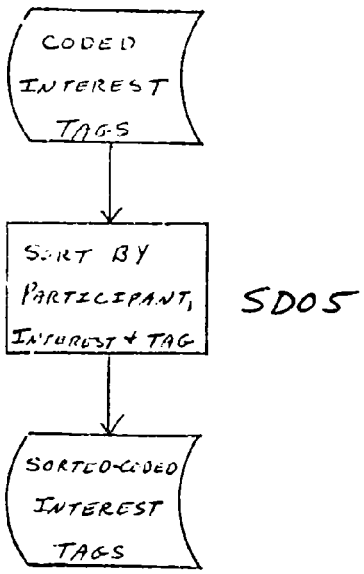
OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER
PAGE NUMBER 1 OF 4

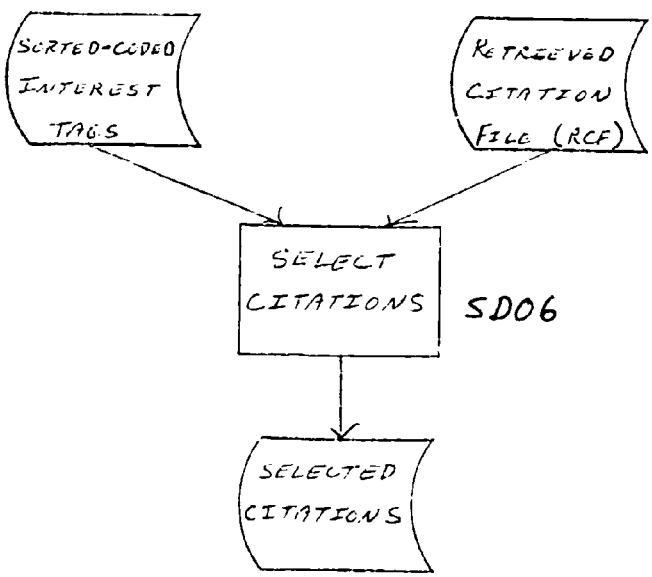




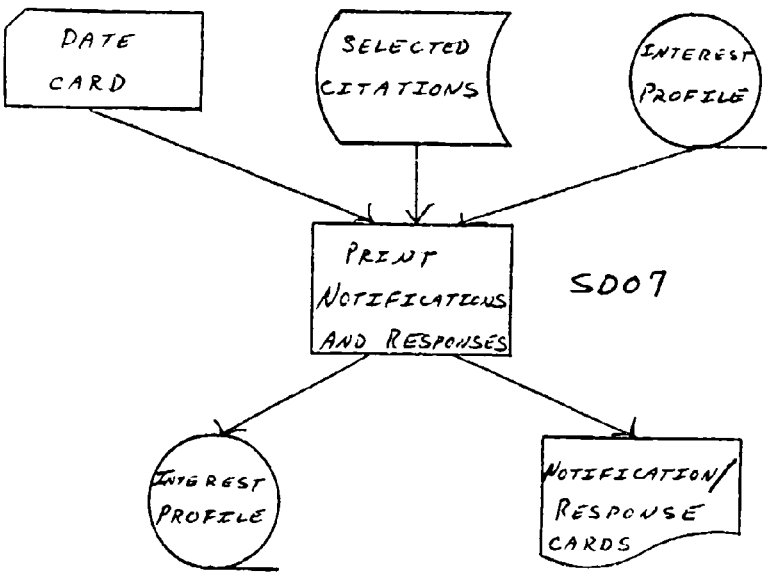
OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER
PAGE NUMBER 2 OF 4

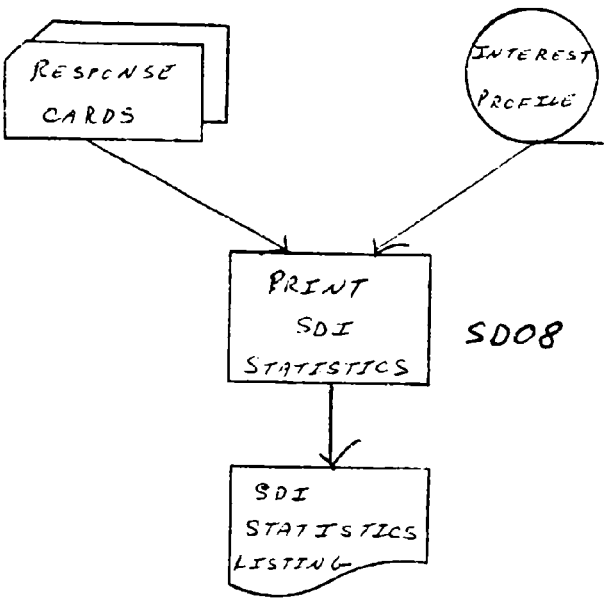



CODED INTEREST TAGS
SORT BY PARTICIPANT, INTEREST + TAG
SD05
SORTED-CODED INTEREST TAGS

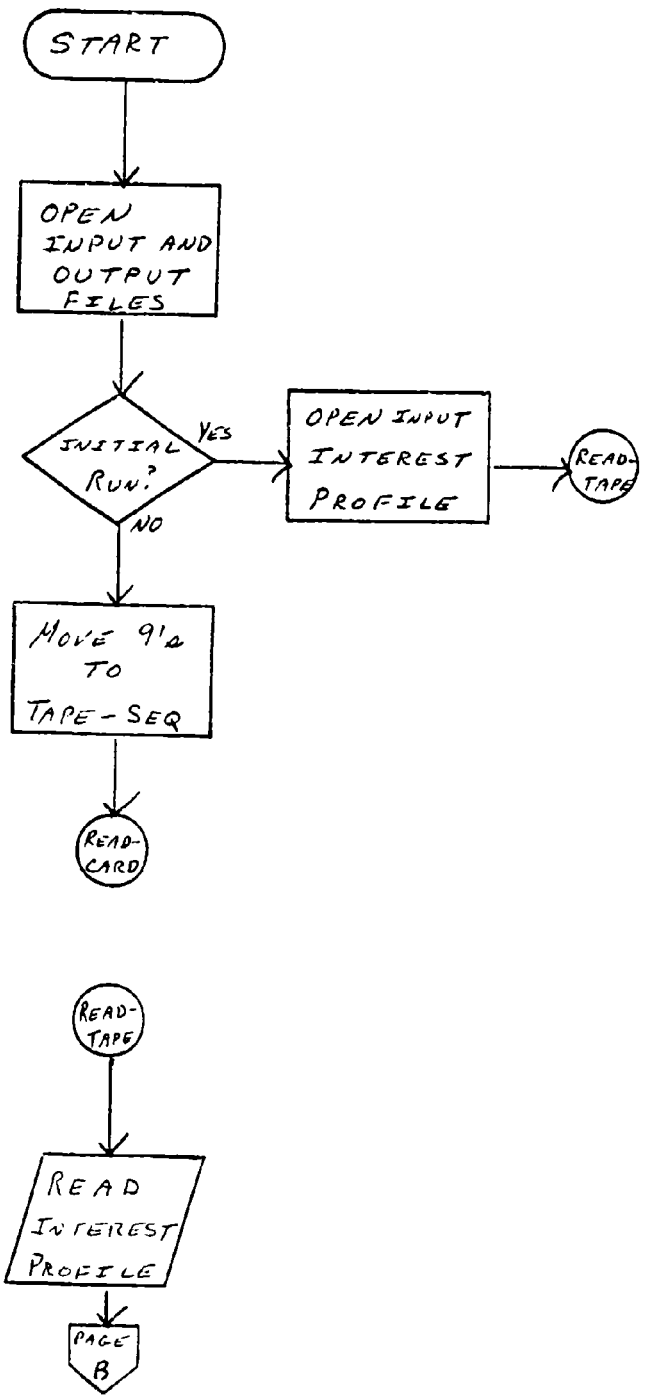

SORTED-CODED INTEREST TAGS
RETRIEVED CITATION FILE (RCF)
SELECT CITATIONS
SD06
SELECTED CITATIONS

OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER
PAGE NUMBER 4 OF 4

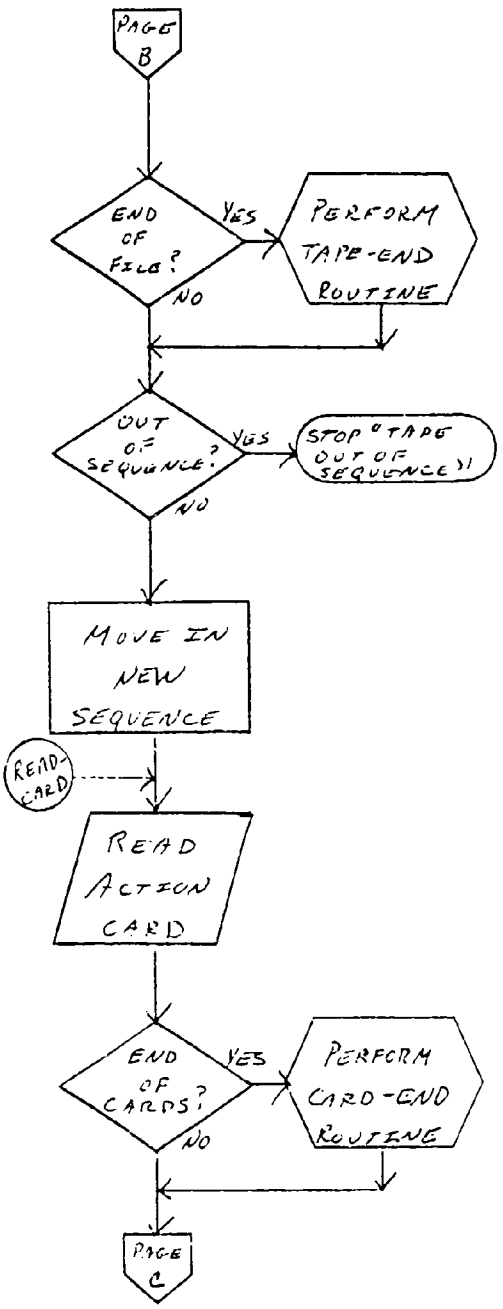




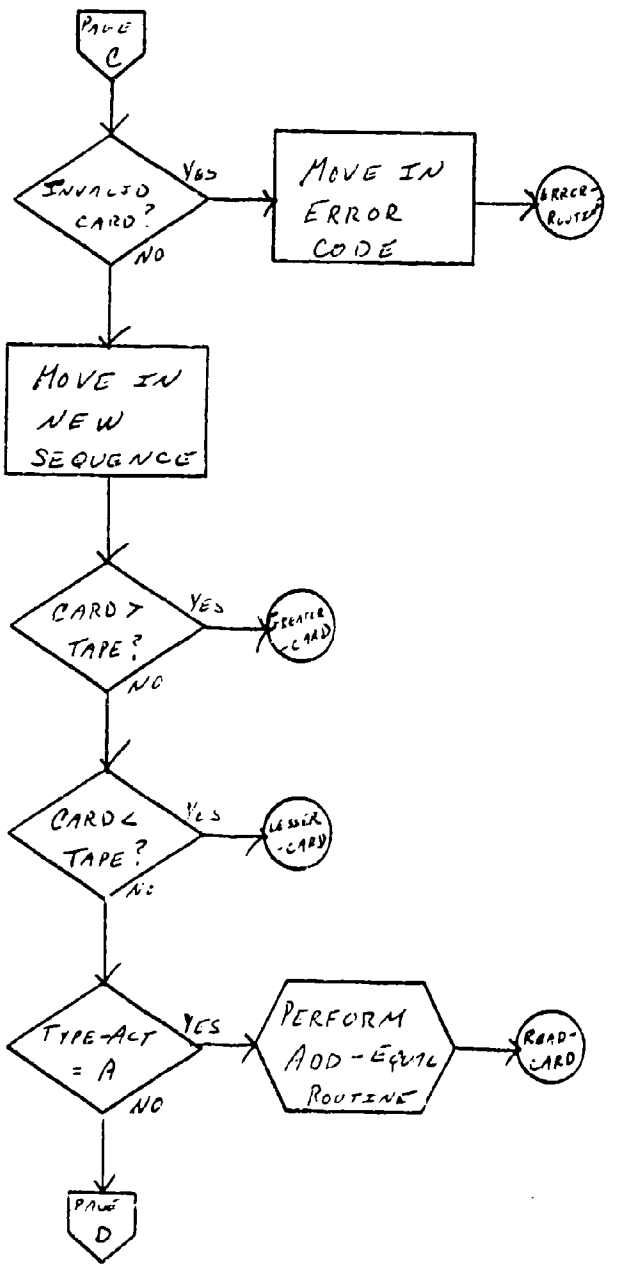
OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER 5D01
PAGE NUMBER 1 OF 8



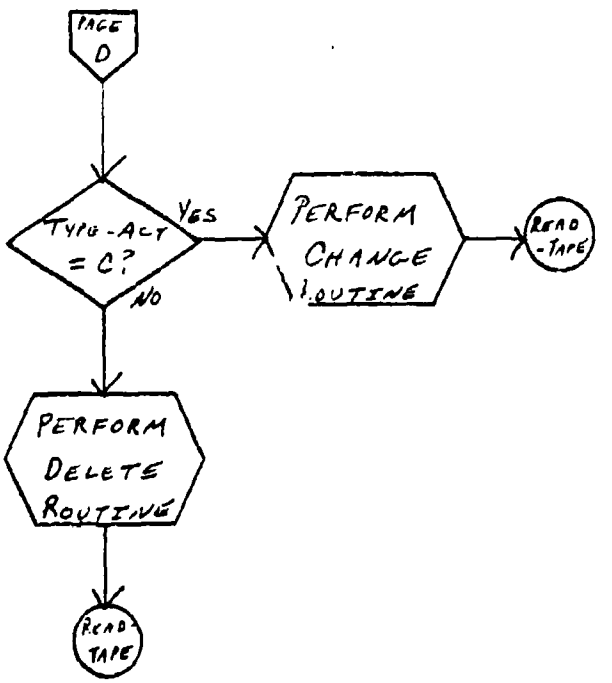
OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER 5D01
PAGE NUMBER 2 OF 8

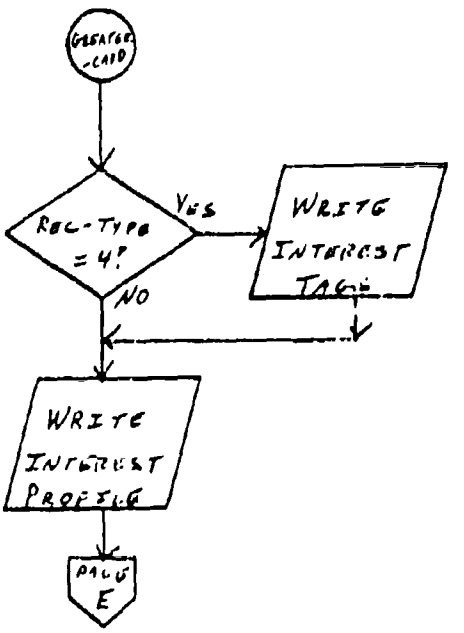


OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER SD01
PAGE NUMBER 3 OF 8

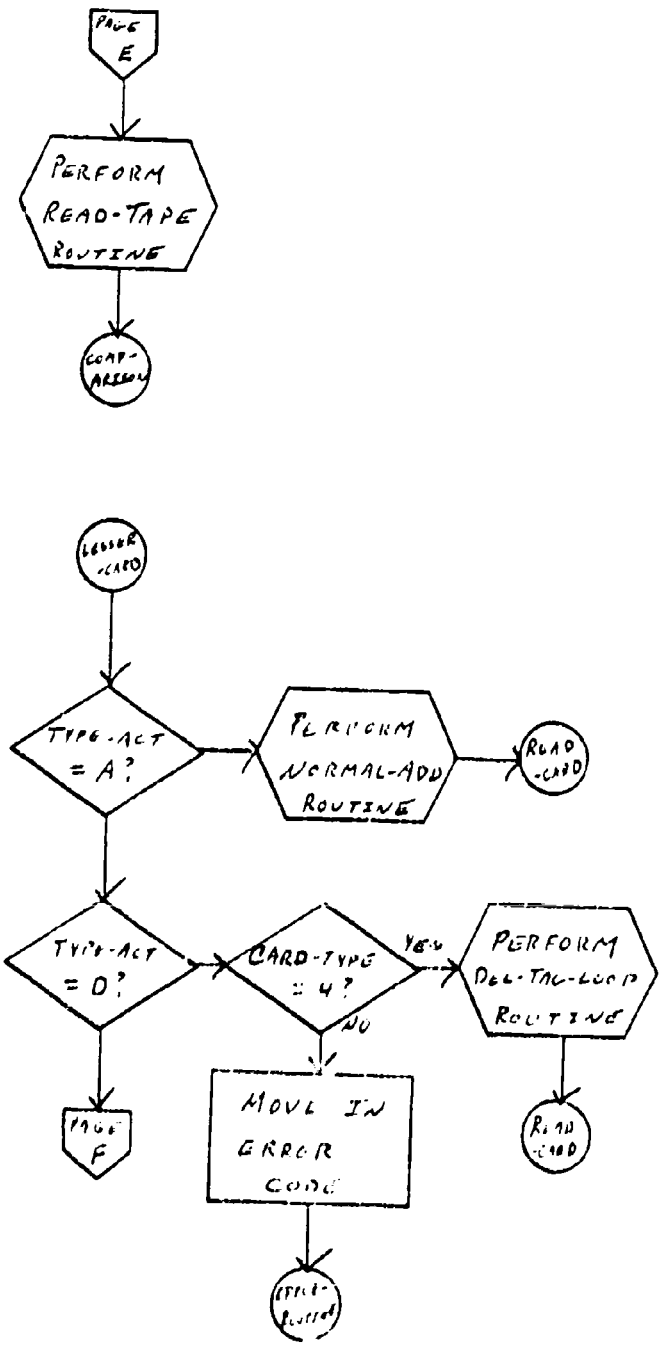


OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER SD01
PAGE NUMBER 4 OF 8

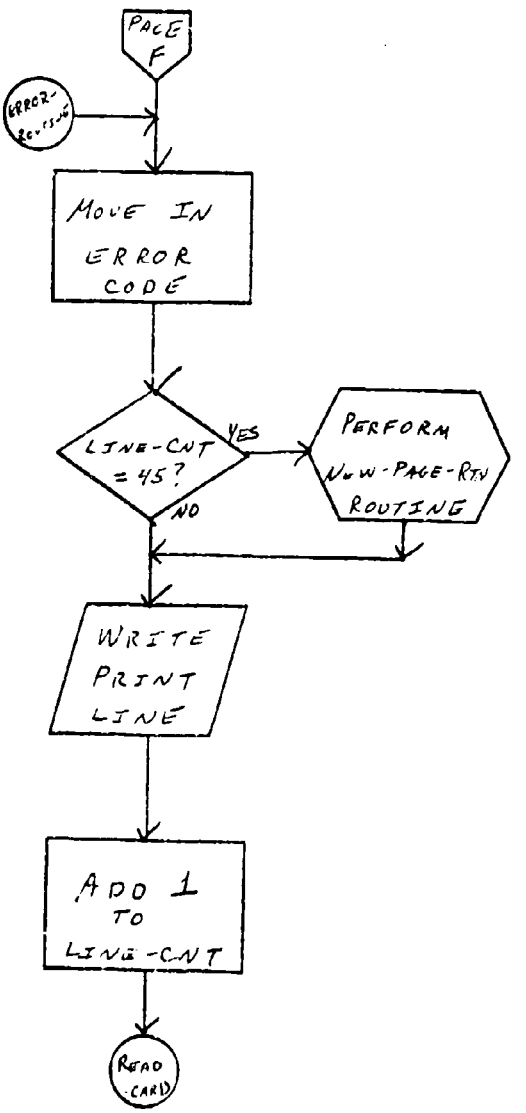




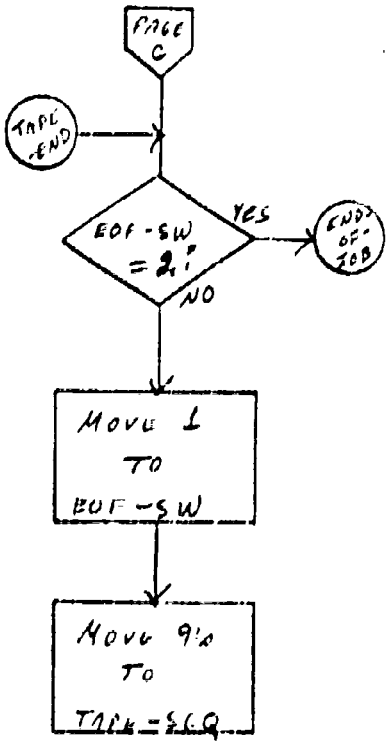
OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER SD01
PAGE NUMBER 5 OF 8

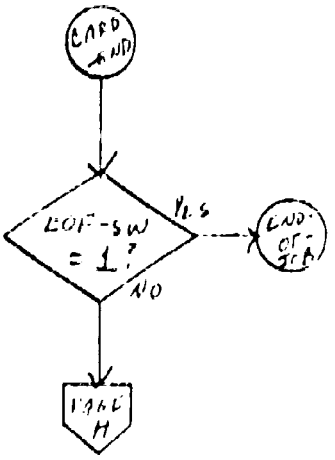


OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER SD01
PAGE NUMBER 6 OF 8



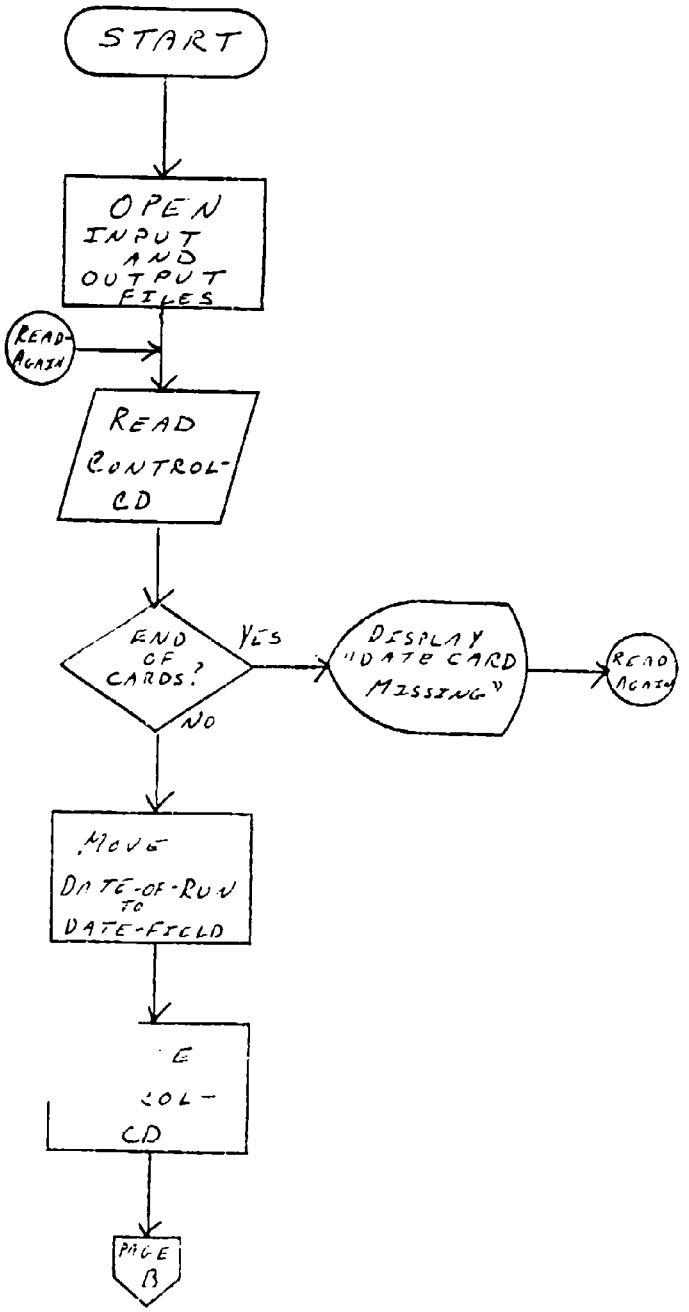
OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER SDO1
PAGE NUMBER 2 OF 8



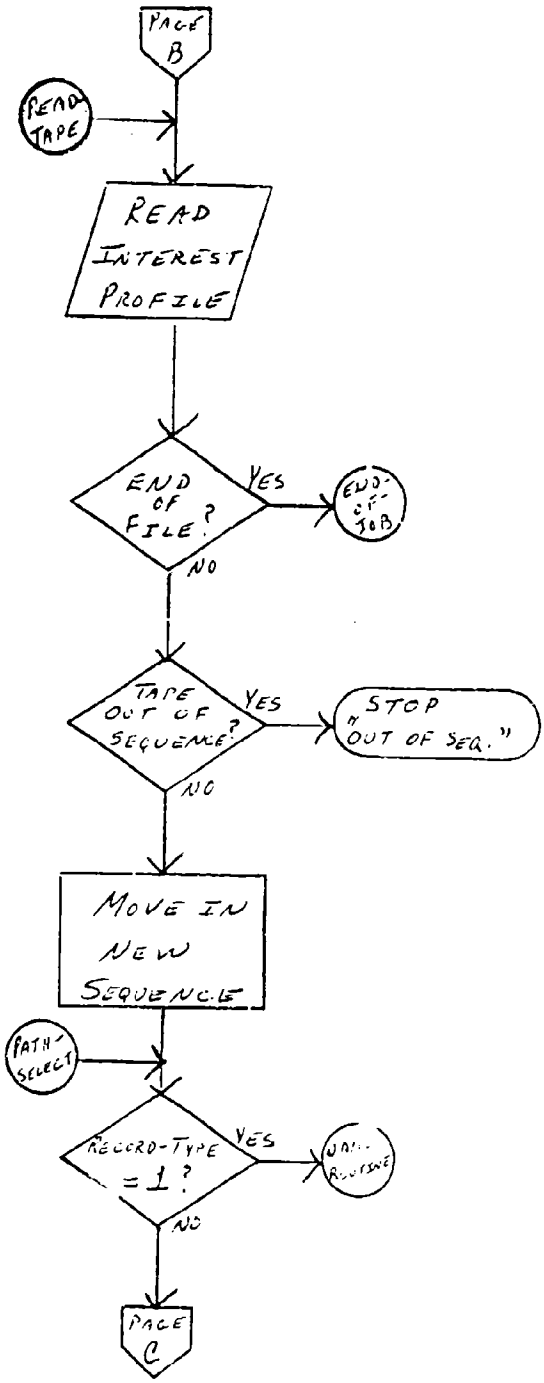


OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER SD01
PAGE NUMBER 8 OF 8

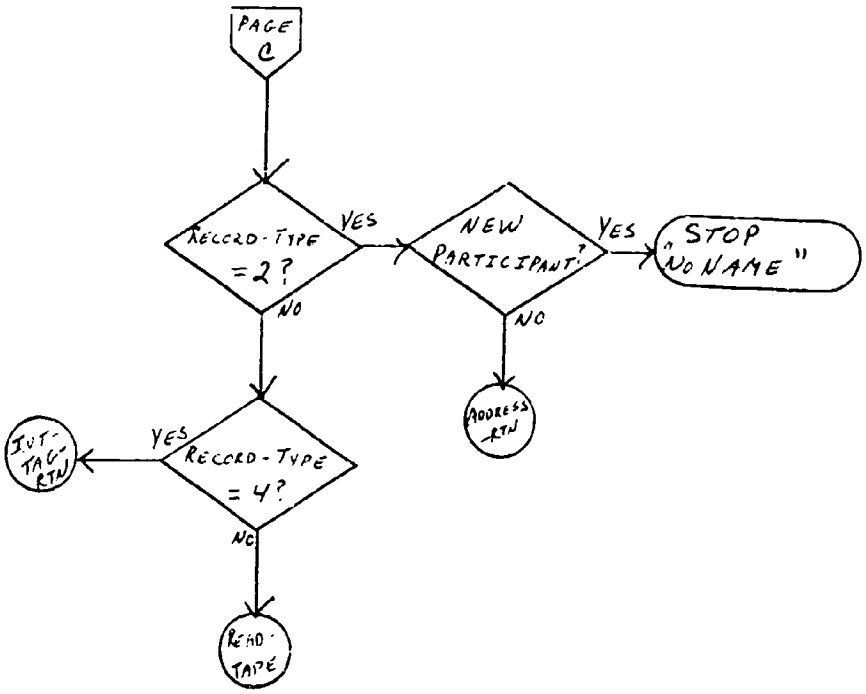
OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER SD02
PAGE NUMBER 1 OF 6

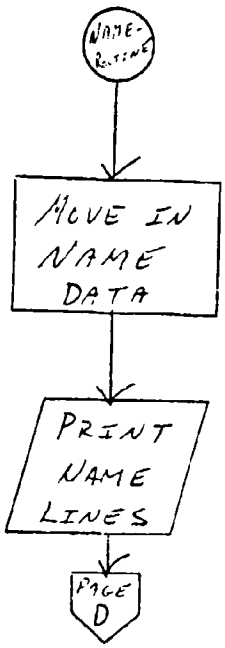


OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER SD02
PAGE NUMBER 2 OF 6

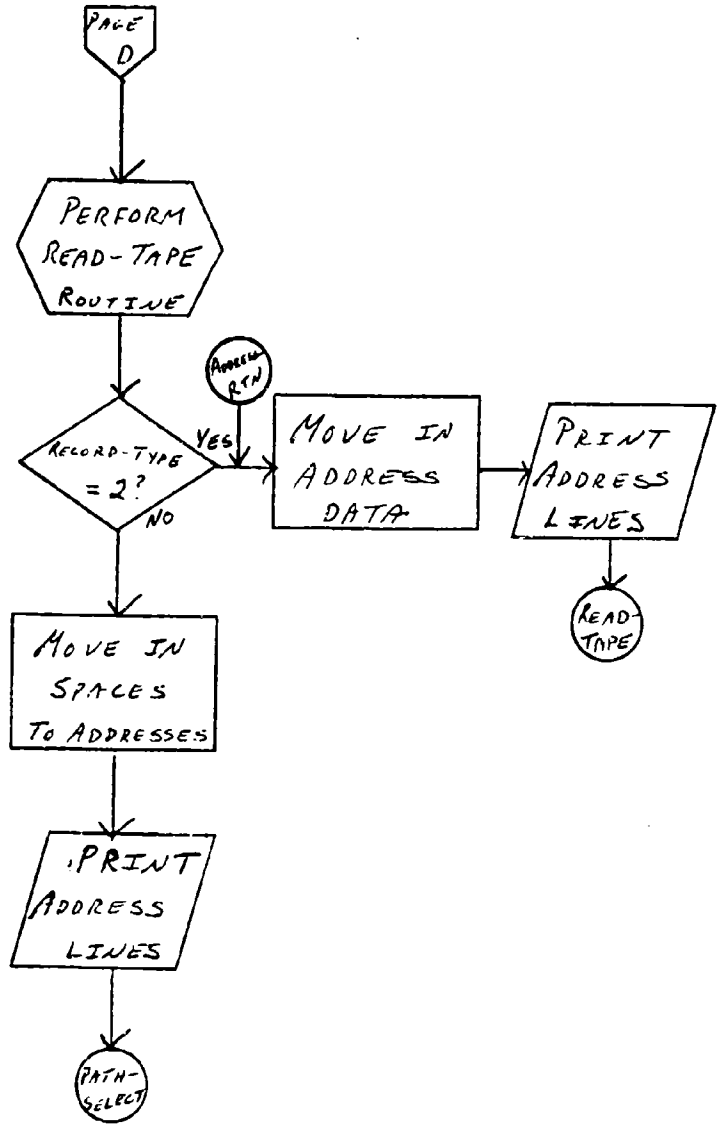


OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER SD02
PAGE NUMBER 3 OF 7

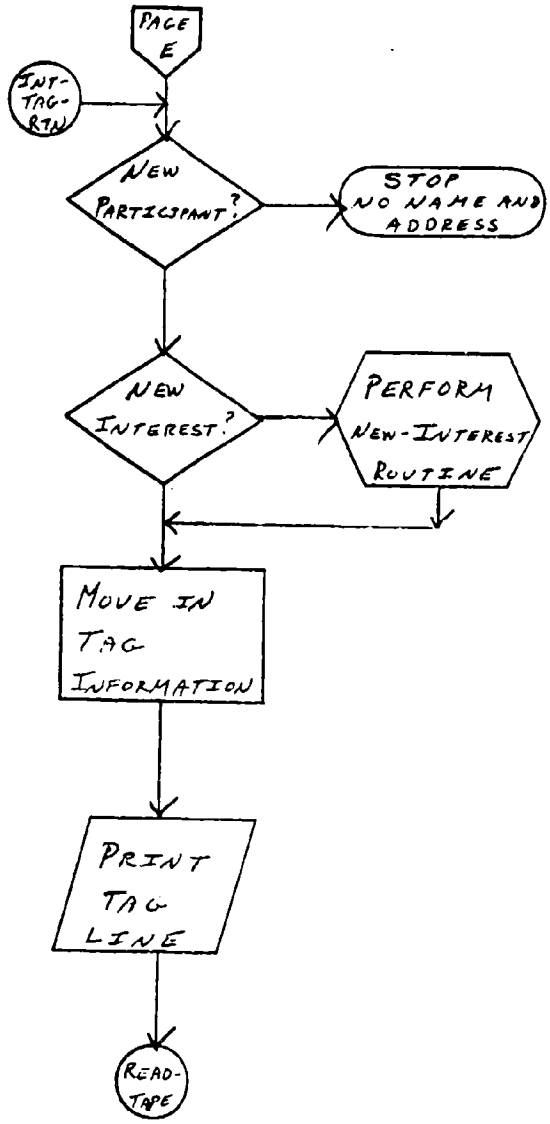




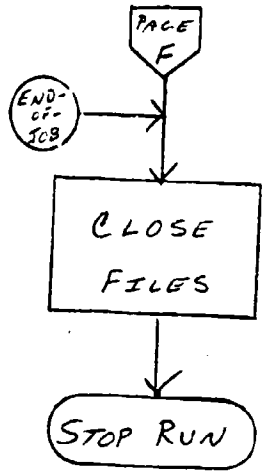
OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER 5002
PAGE NUMBER 4 OF 6



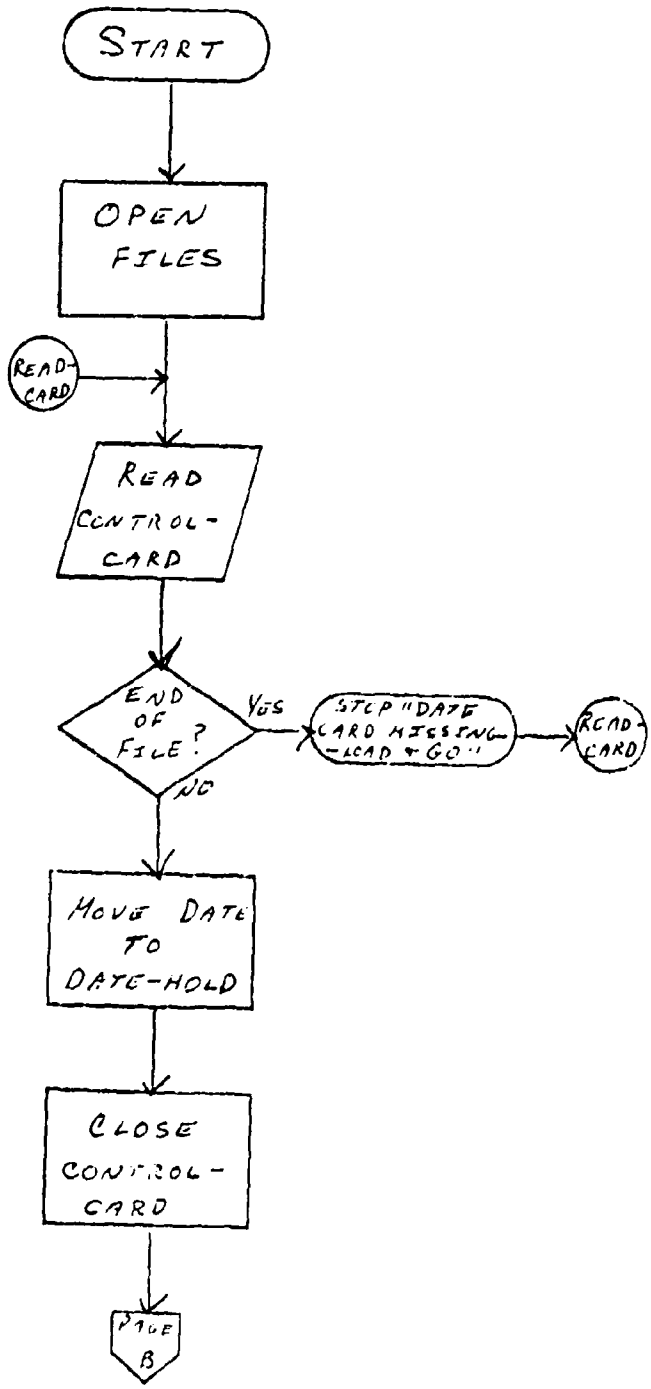
OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER 5002
PAGE NUMBER 5 OF 6



OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER 5002
PAGE NUMBER 6 OF 6



OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER SP04
PAGE NUMBER 1 OF 7



OFFICE SYMBOL
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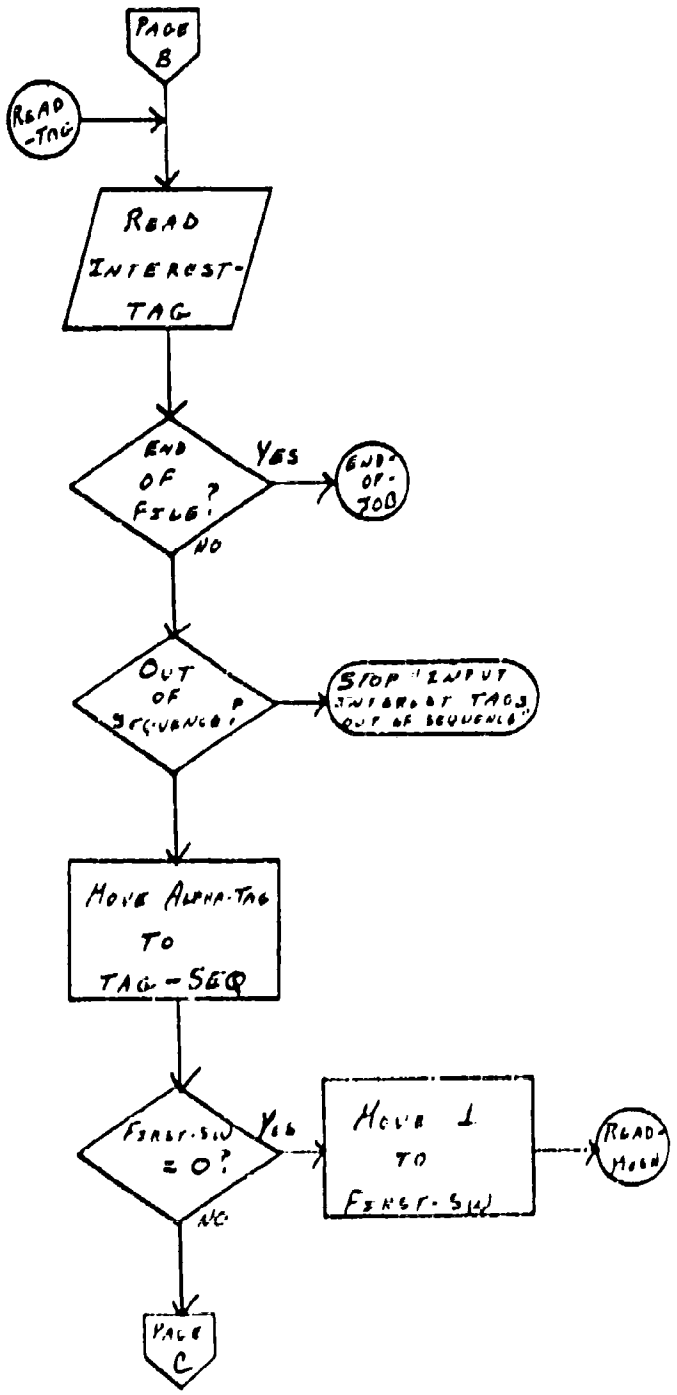
RUN NUMBER 5004
PAGE NUMBER 2 OF 7



OFFICE SYMBOL
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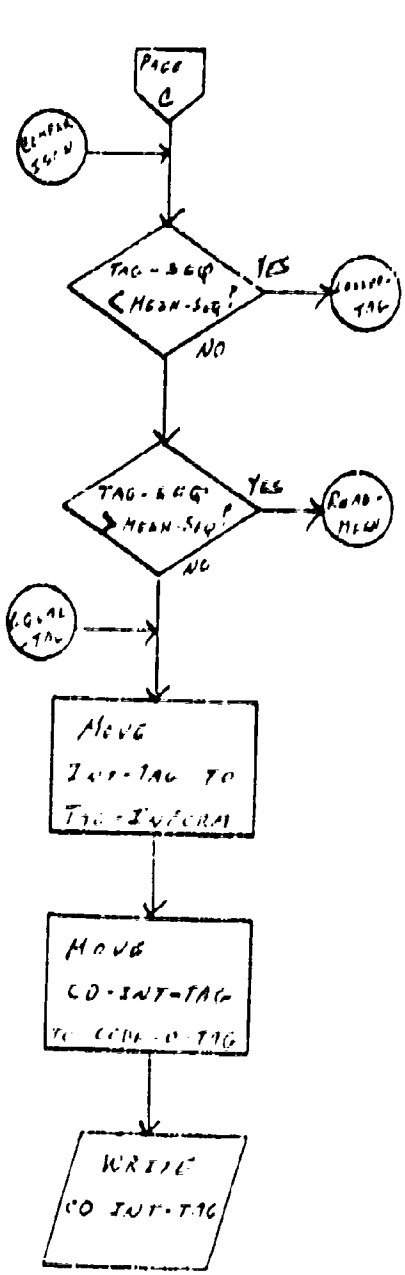
RUN NUMBER 5004
PAGE NUMBER 3 OF 7



OFFICE SYMBOL
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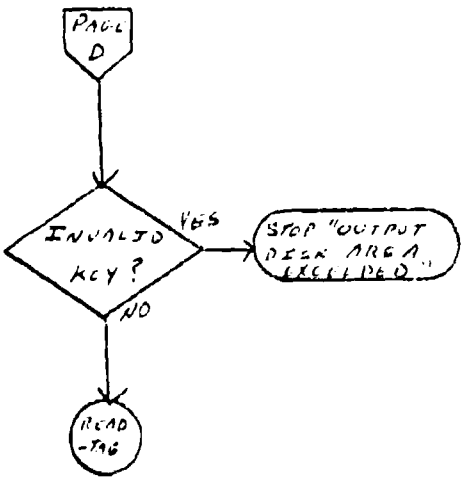
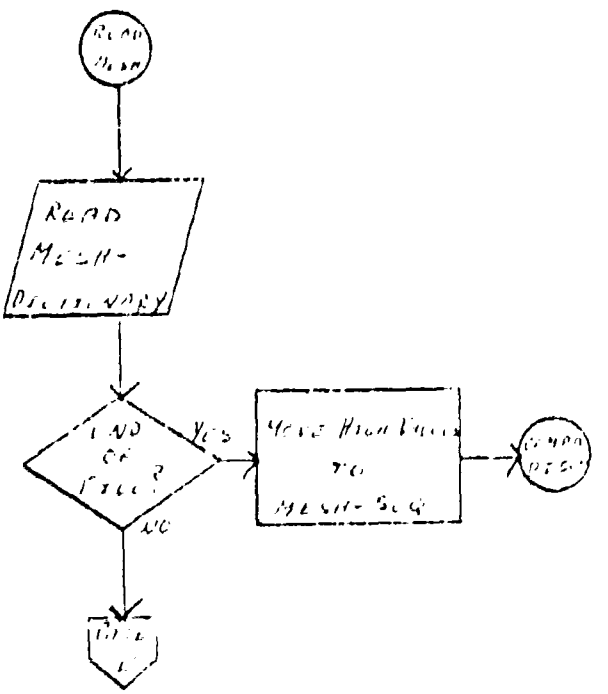
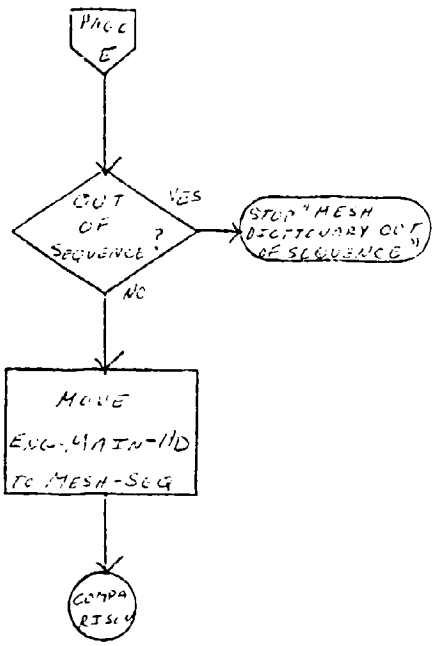
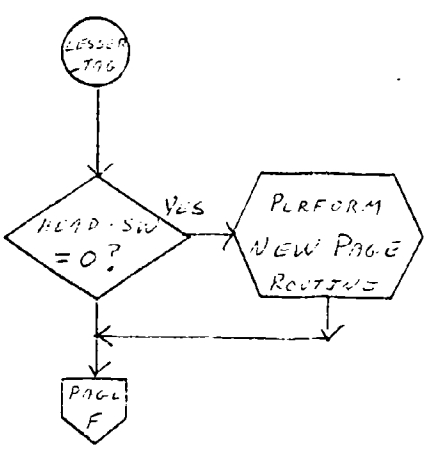
RUN NUMBER 3D04
PAGE NUMBER 4 OF 7



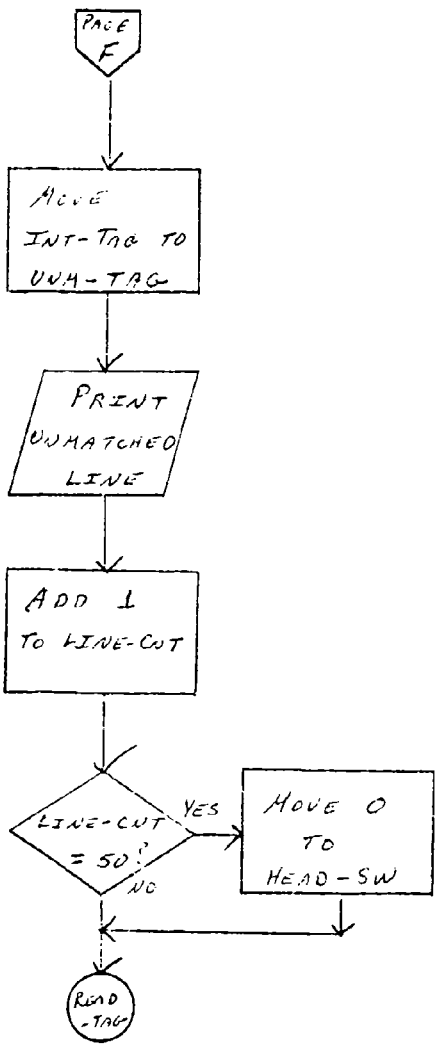


OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER 5004
PAGE NUMBER 5 OF 7

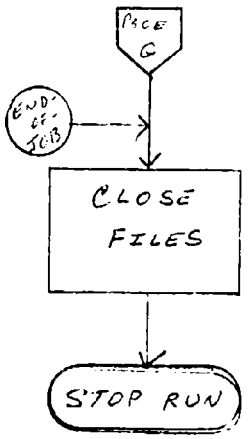




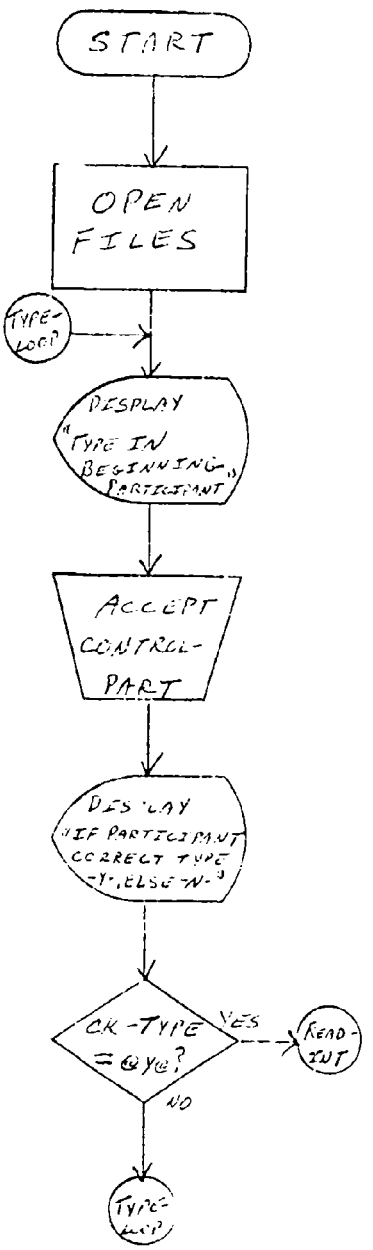
OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER 5004
PAGE NUMBER 6 OF 7



OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER SD04
PAGE NUMBER 7 OF 7



OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER 5006
PAGE NUMBER 1 OF 14



OFFICE SYMBOL
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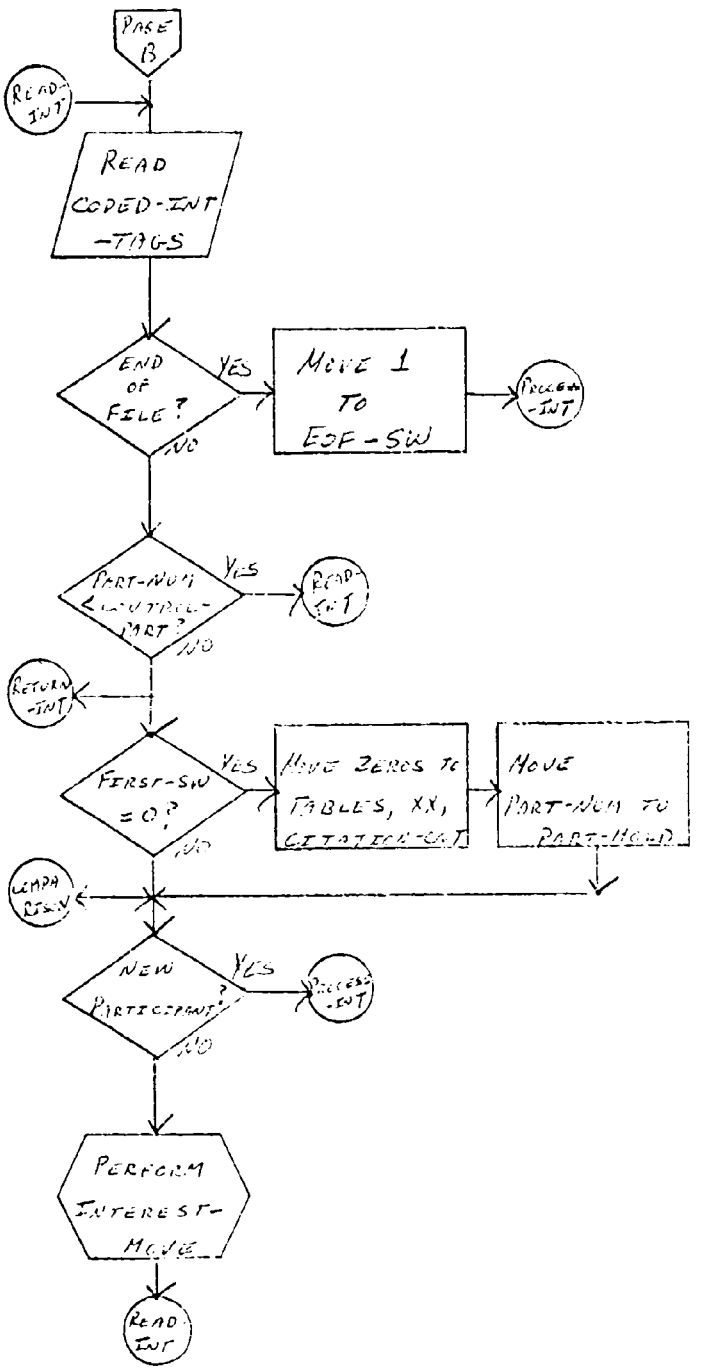
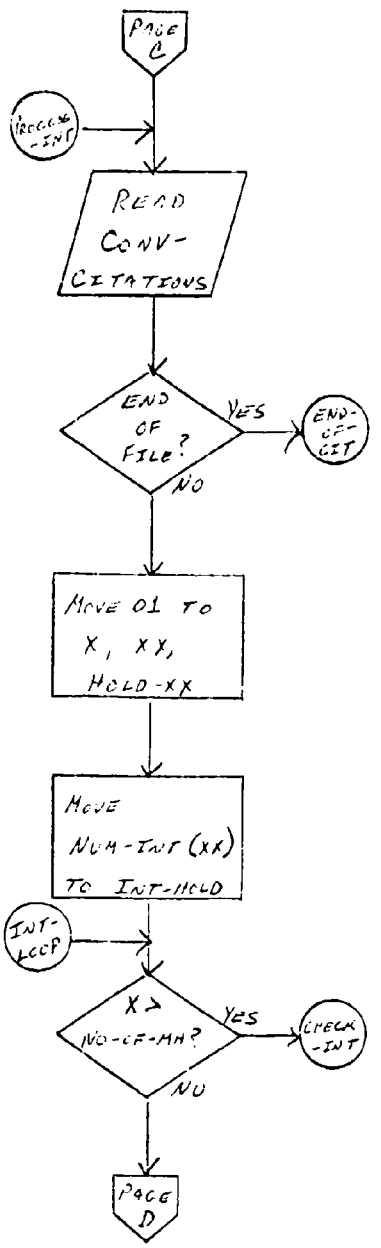


OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER SD06
PAGE NUMBER 3 OF 14



OFFICE SYMBOL
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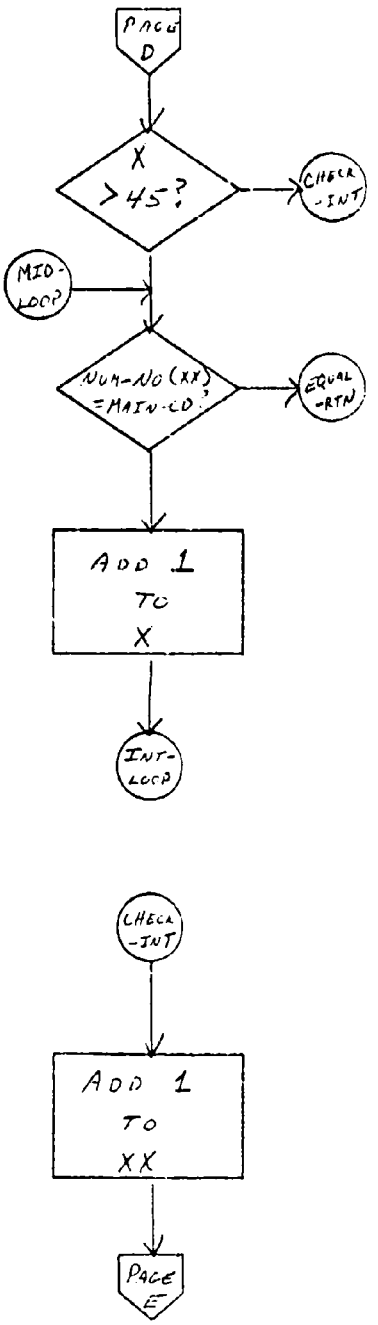
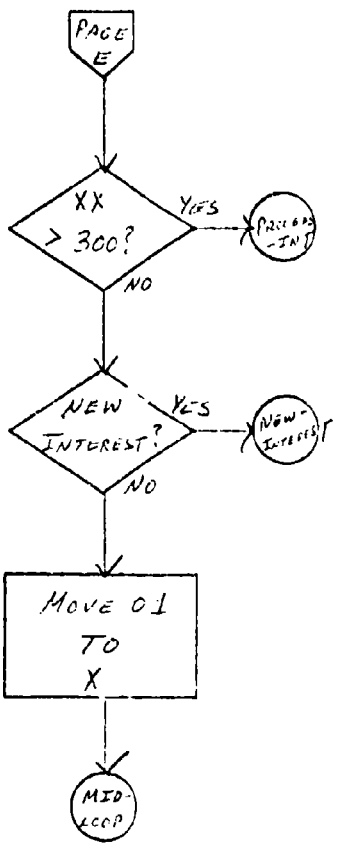
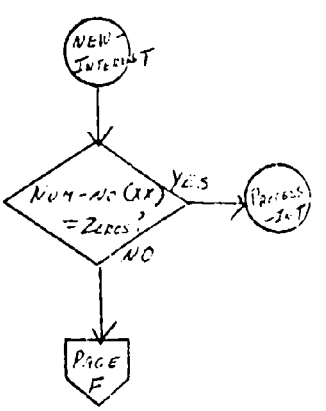
RUN NUMBER 5006
PAGE NUMBER 4 OF 14

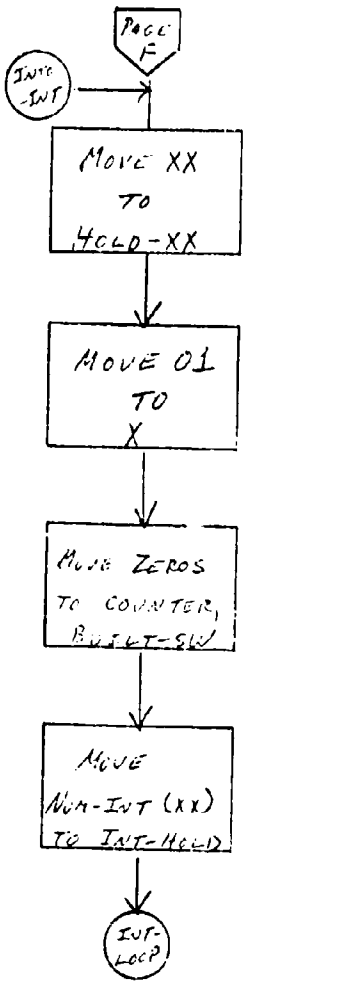


OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER 5006
PAGE NUMBER 5 OF 14

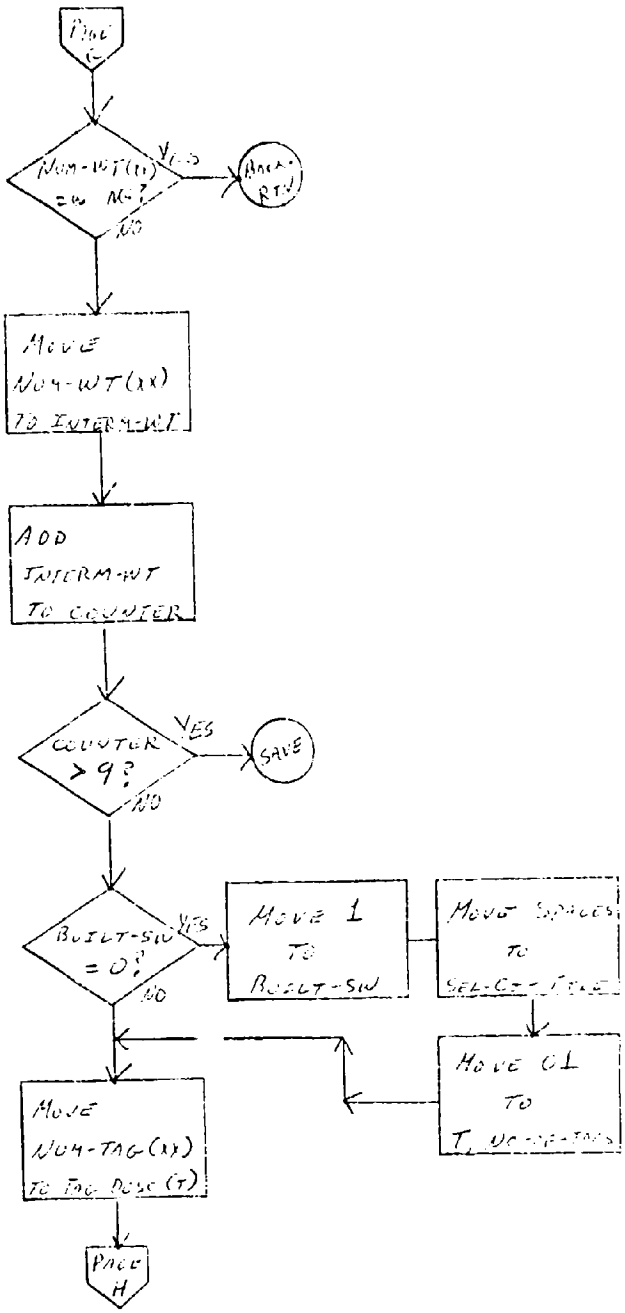




OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER SD06
PAGE NUMBER 6 OF 14



OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER 5006
PAGE NUMBER 7 OF 14



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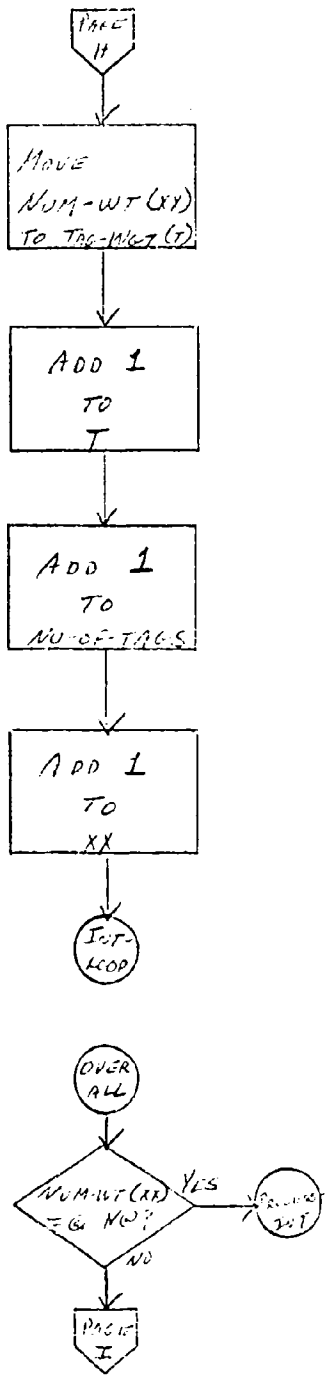
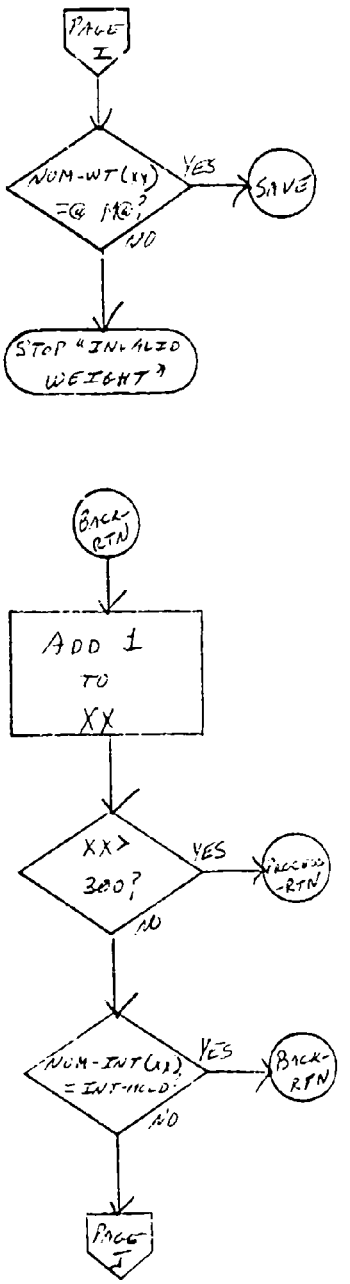
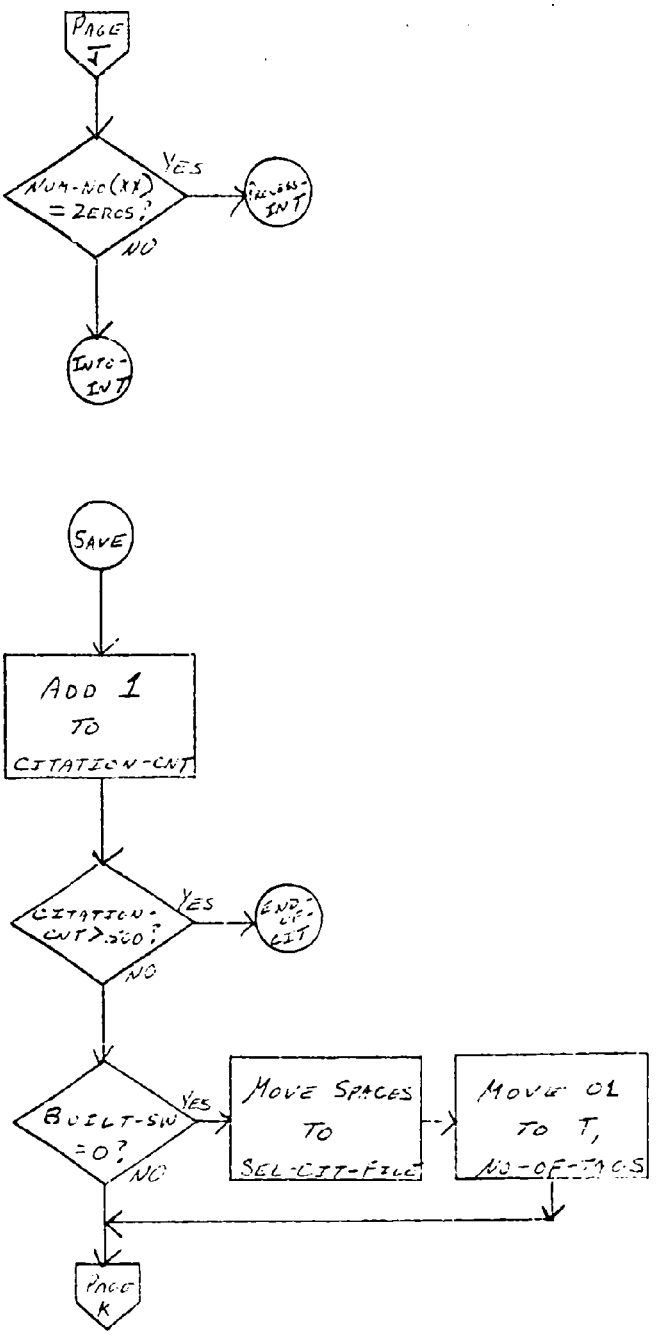


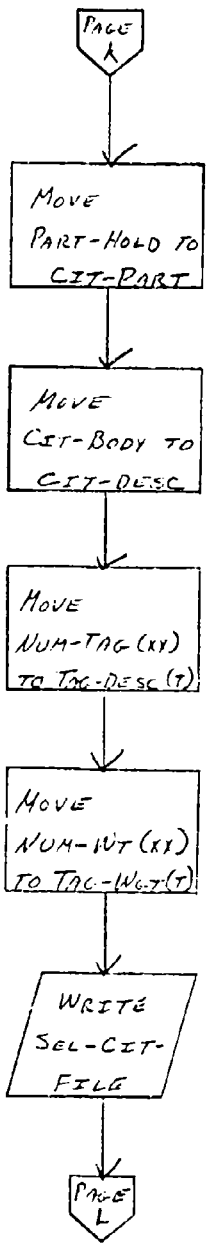
OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER 5006
PAGE NUMBER 9 OF 14

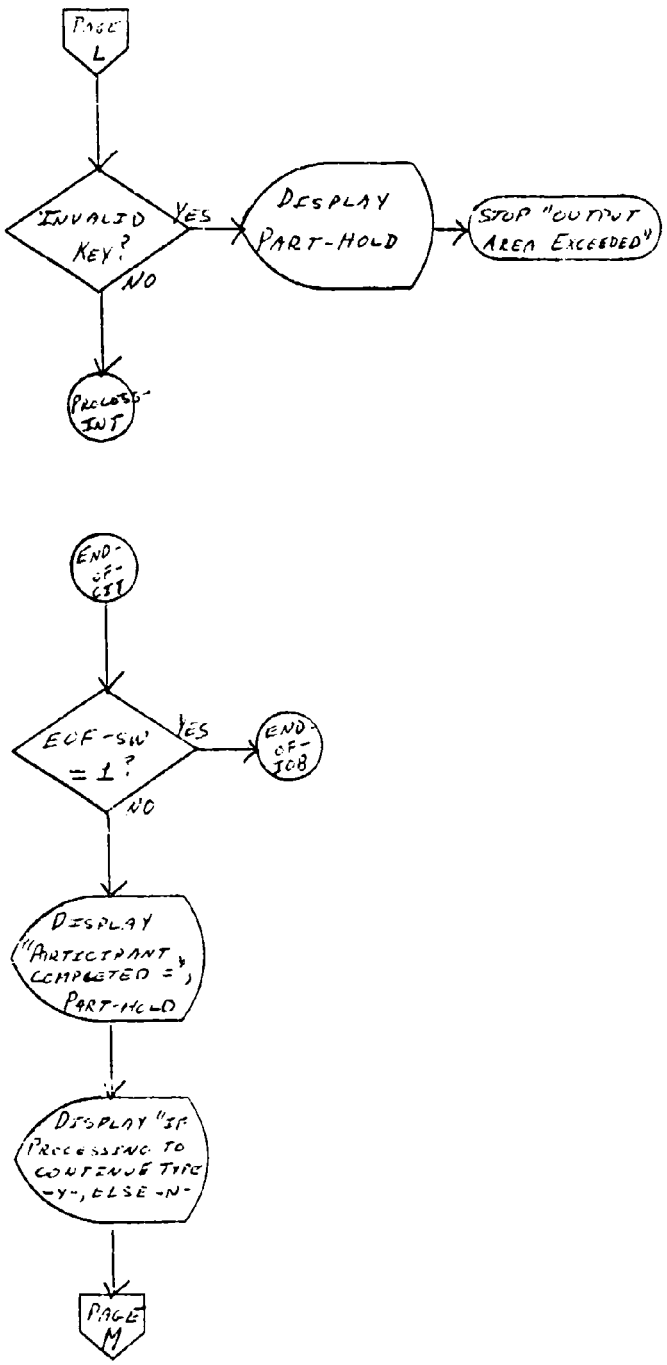


OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER 5006
PAGE NUMBER 10 OF 14

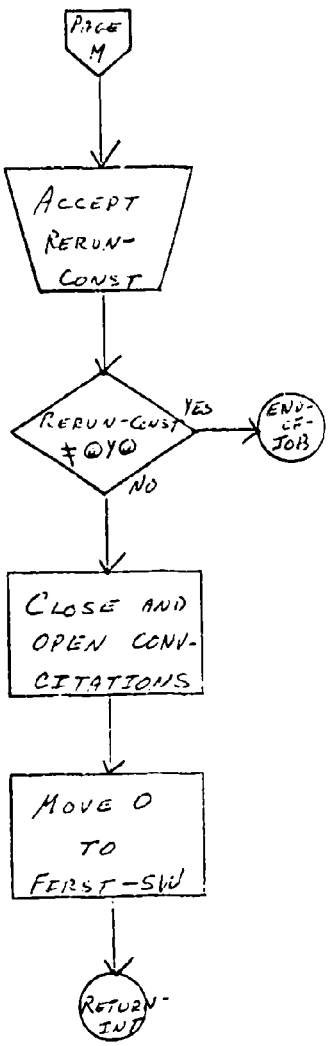


OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER SDD6
PAGE NUMBER 11 OF 14

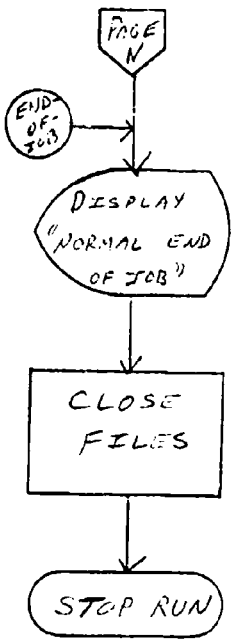



PAGE L
INVALID KEY?
YES
DISPLAY PART-HOLD
STOP "OUTPUT AREA EXCEEDED"
NO
PROCESS-INT
END-OF-CST
EOF-SW = 1?
YES
END-OF-JOB
NO
DISPLAY "PARTICIPANT COMPLETED =) PART-HOLD
DISPLAY "IF PROCESSING TO CONTINUE TYPE -Y-, ELSE -N-
PAGE M

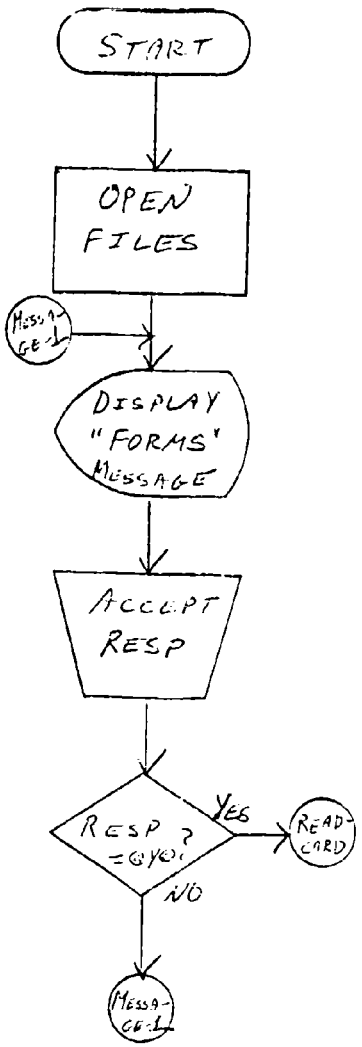
OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER 5006
PAGE NUMBER 13 OF 14



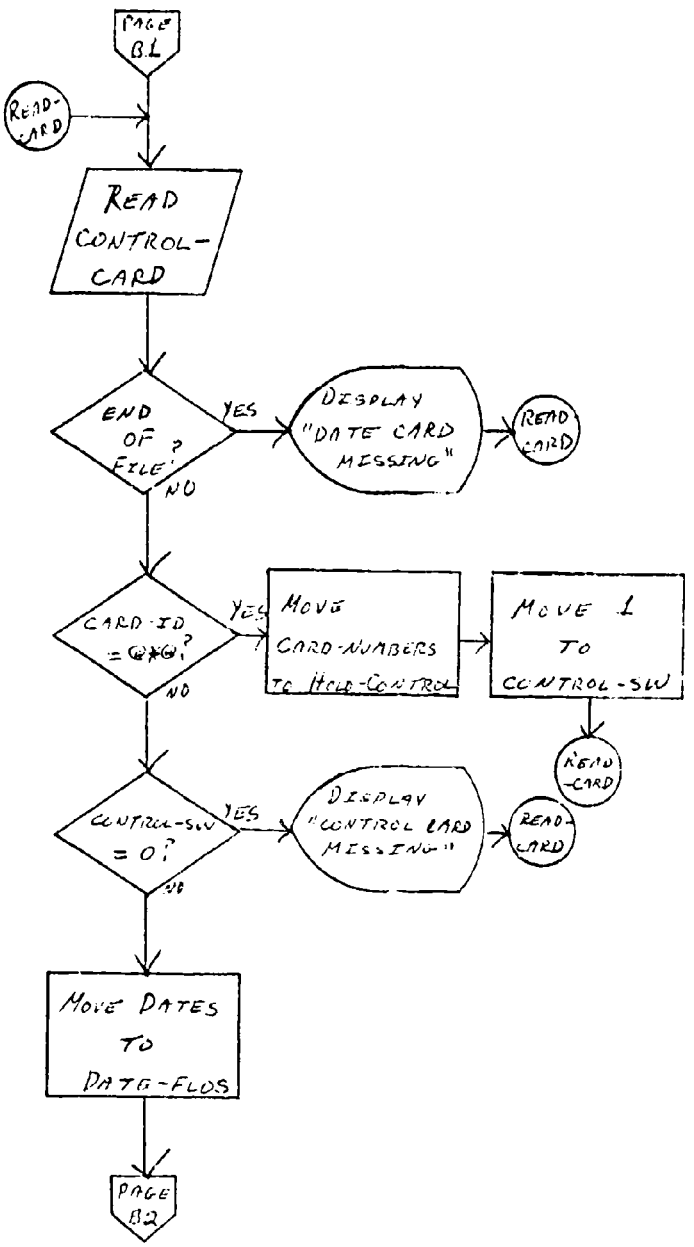
OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER SD06
PAGE NUMBER 14 OF 14



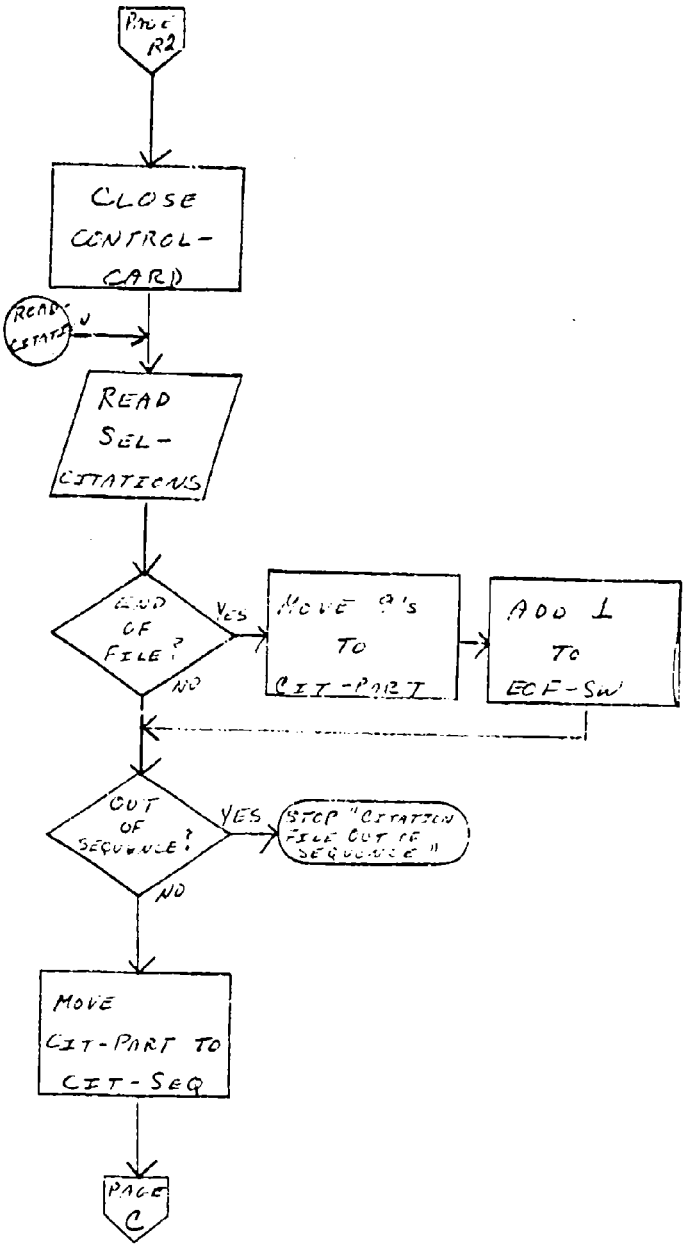
OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER SD07
PAGE NUMBER 1 OF 19



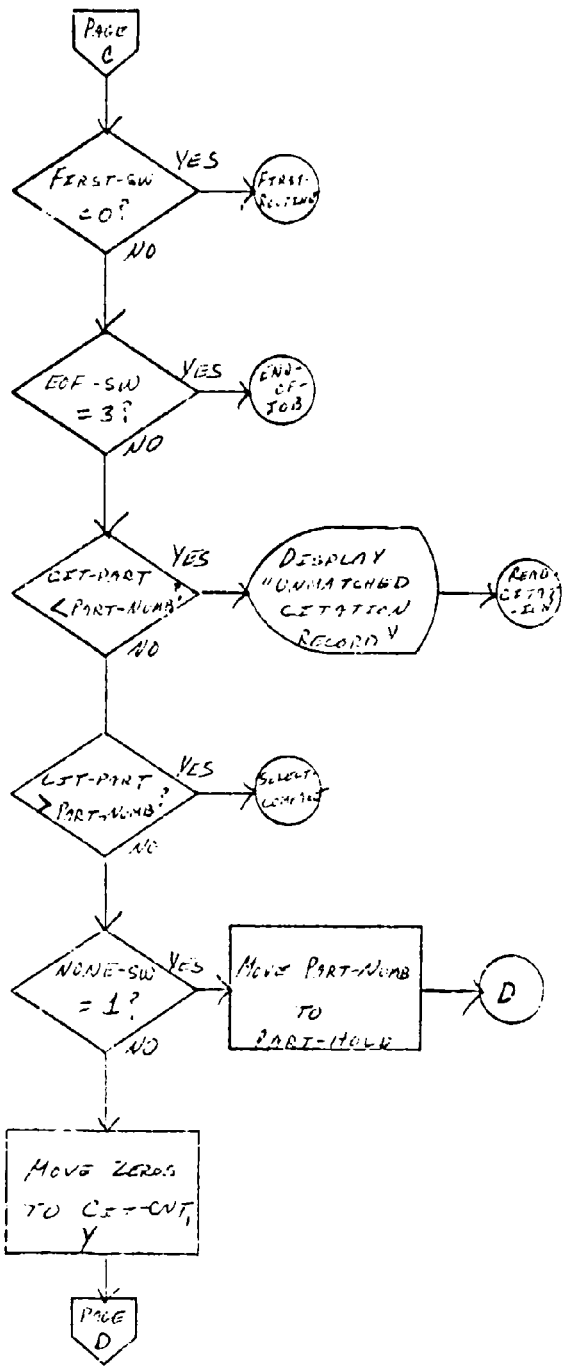
OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER 5D07
PAGE NUMBER 2 OF 19



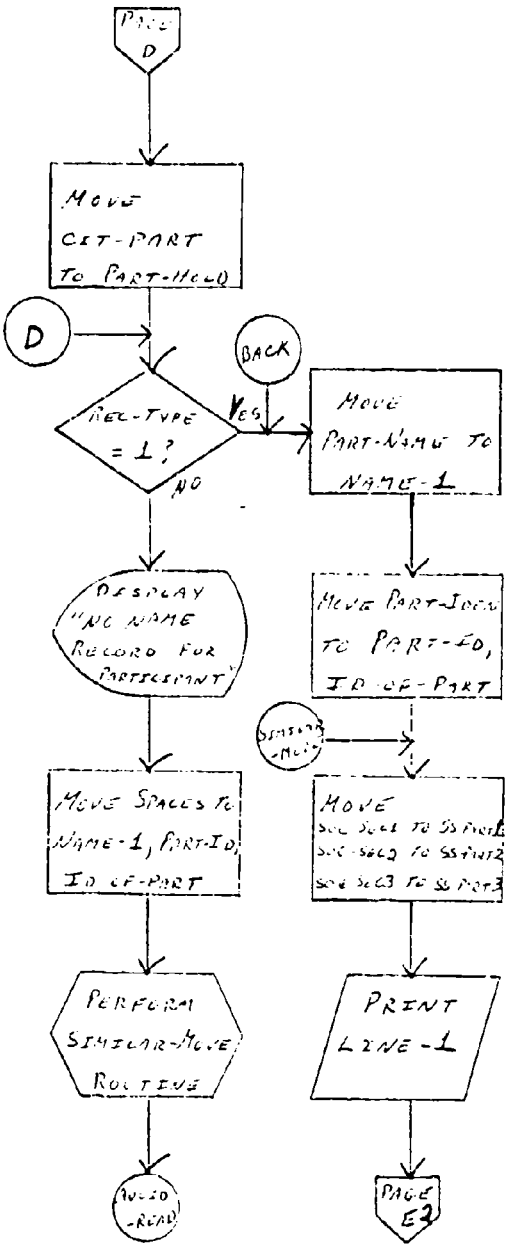
OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER 5007
PAGE NUMBER 3 OF 19



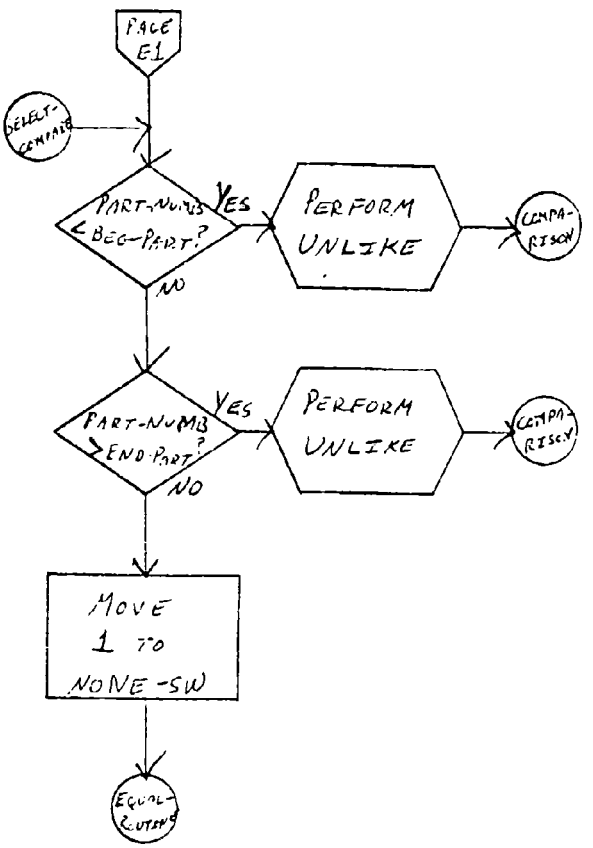
OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER 5007
PAGE NUMBER 4 OF 19



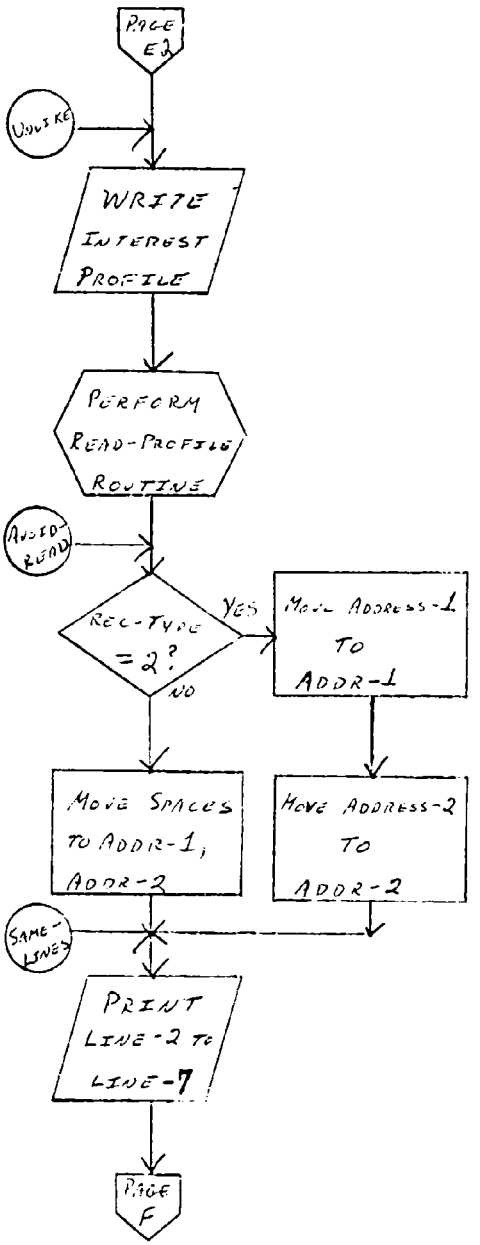
OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER 5007
PAGE NUMBER 5 OF 19

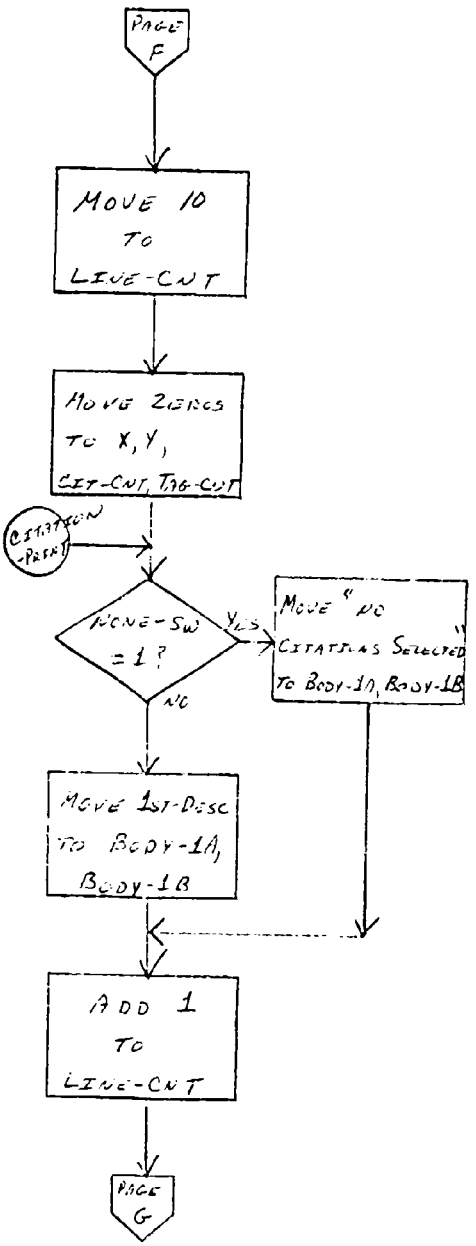


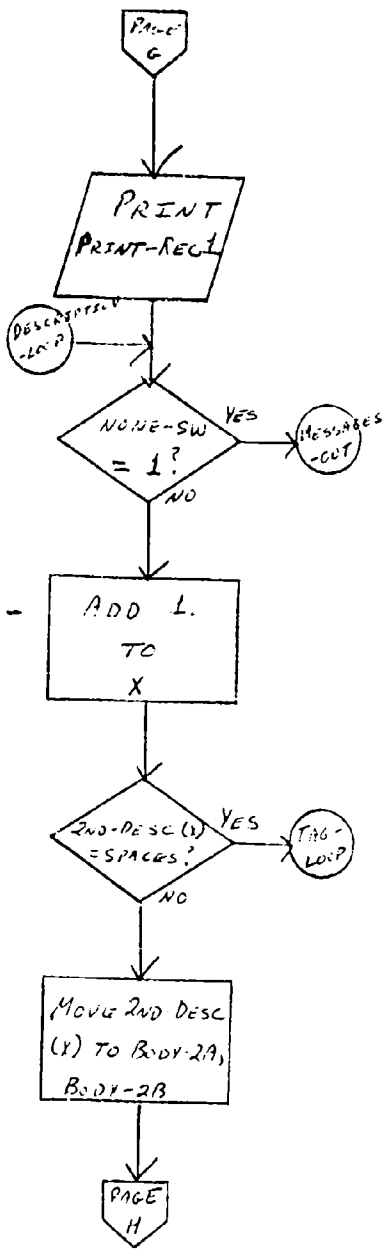
OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER 5007
PAGE NUMBER 6 OF 19



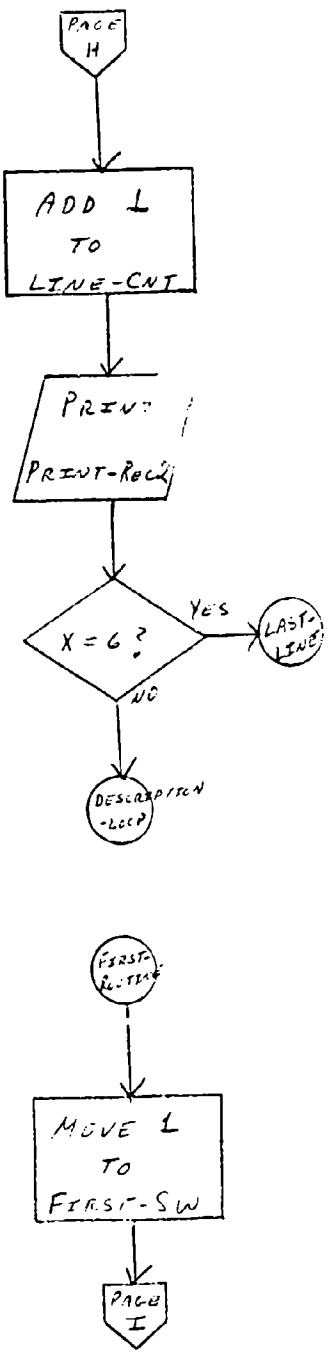
OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER 5007
PAGE NUMBER 7 OF 19



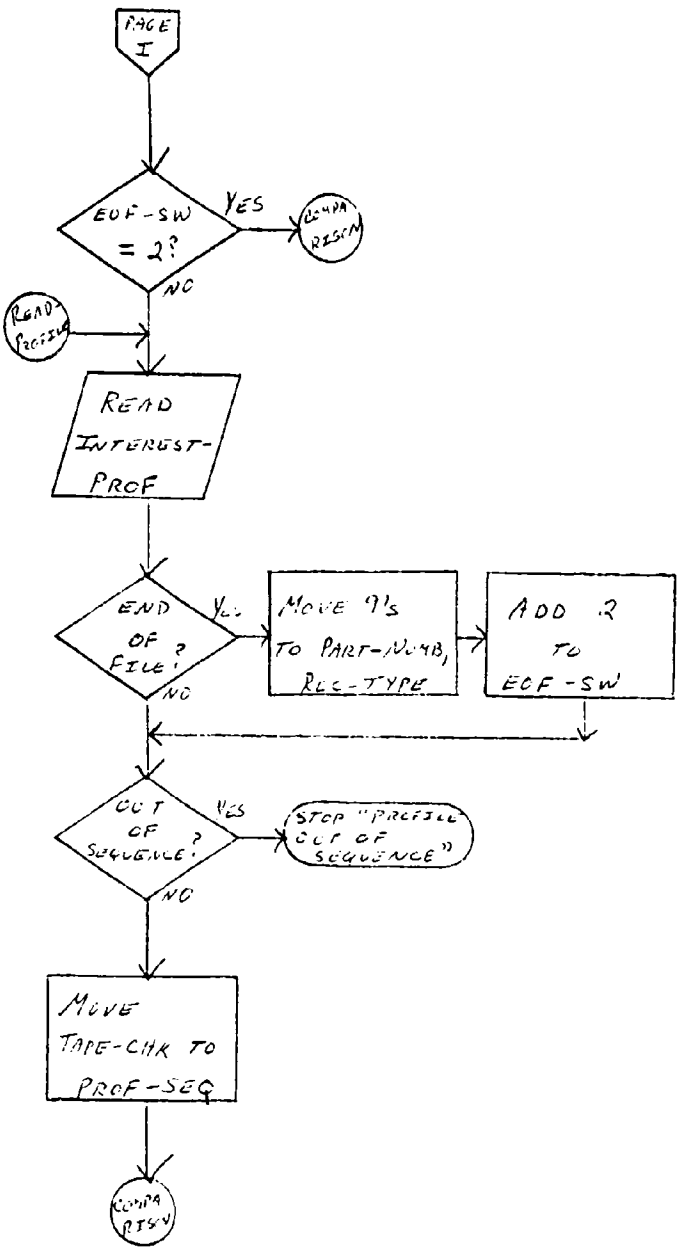

PAGE F
MOVE 10 TO LINE-CNT
MOVE ZEROS TO X, Y, CIT-CNT, TAG-CNT
CITATION-PERF
NONE-SW = 1 ?
YES
NO
MOVE "NO CITATIONS SELECTED" TO BODY-1A, BODY-1B
MOVE 1ST-DESC TO BODY-1A, BODY-1B
ADD 1 TO LINE-CNT
PAGE G


PAGE G
PRINT PRINT-REC1
DESCRIPTION-LOOP
NONE-SW = 1?
YES
MESSAGES-OUT
NO
ADD L. TO X
2ND-DESC(X) = SPACES?
YES
TAG-LOOP
NO
MOVE 2ND DESC (X) TO BODY-2A, BODY-2B
PAGE H

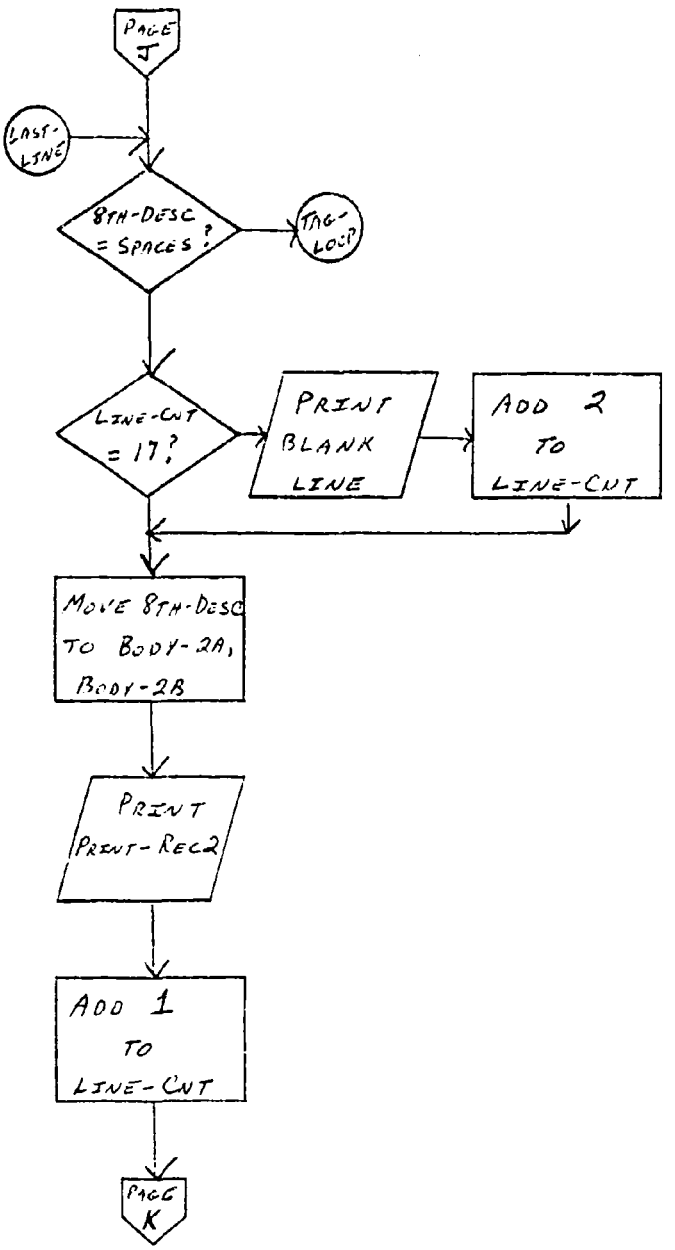
OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER 5007
PAGE NUMBER 10 OF 19

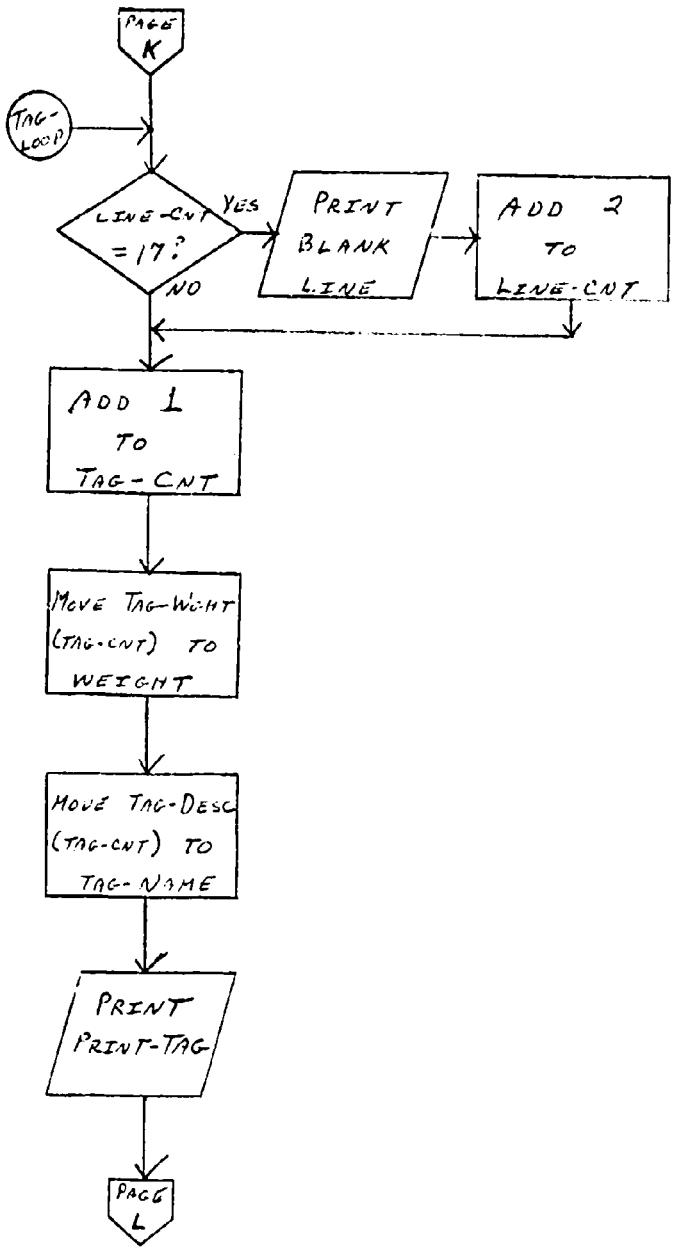


OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER 3007
PAGE NUMBER 11 OF 19

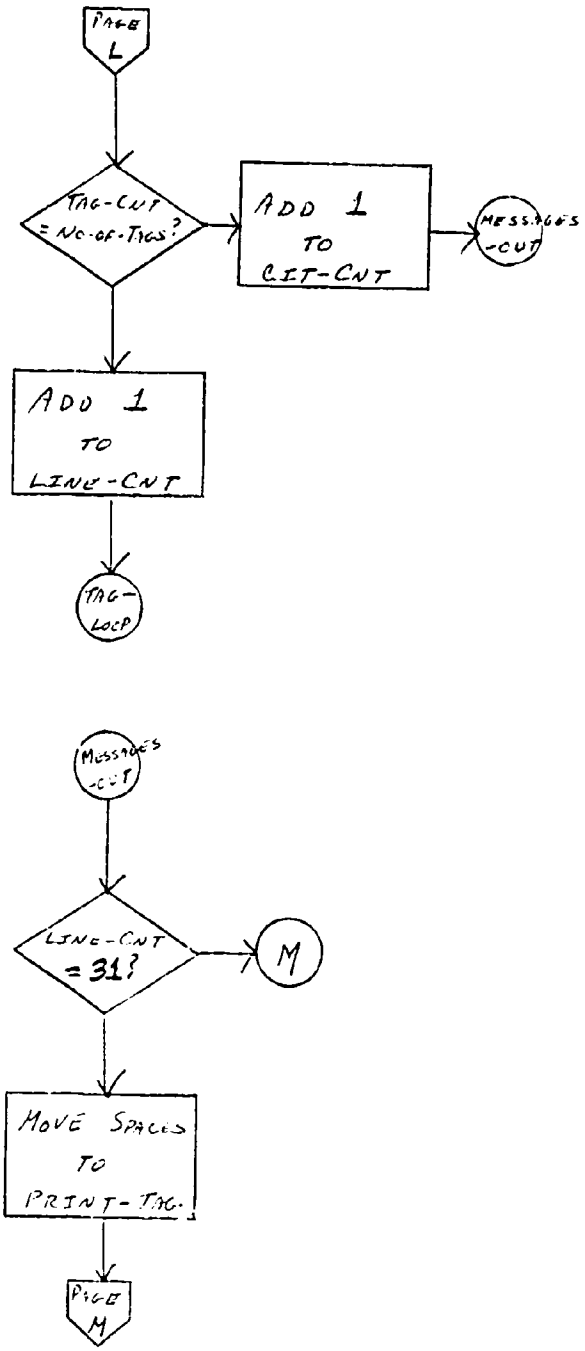


OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER 5007

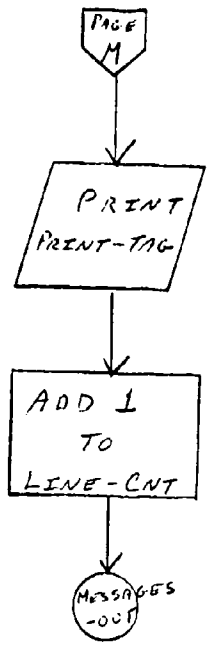


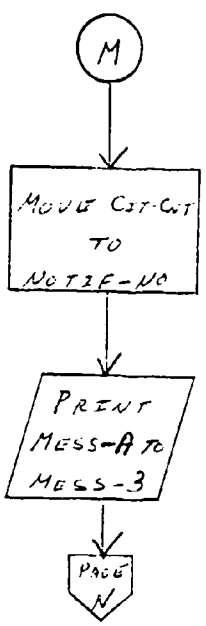

PAGE K
TAG-LOOP
LINE-CNT =17?
YES
NO
PRINT BLANK LINE
ADD 2 TO LINE-CNT
ADD 1 TO TAG-CNT
MOVE TAG-WGHT (TAG-CNT) TO WEIGHT
MOVE TAG-DESC (TAG-CNT) TO TAG-NAME
PRINT PRINT-TAG
PAGE L

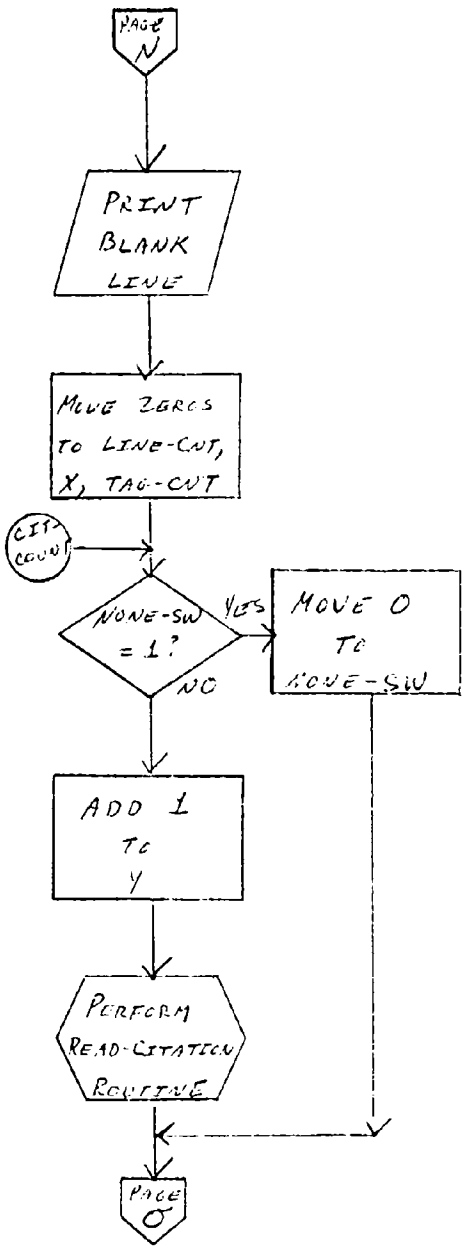
OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER 5007
PAGE NUMBER 14 OF 19



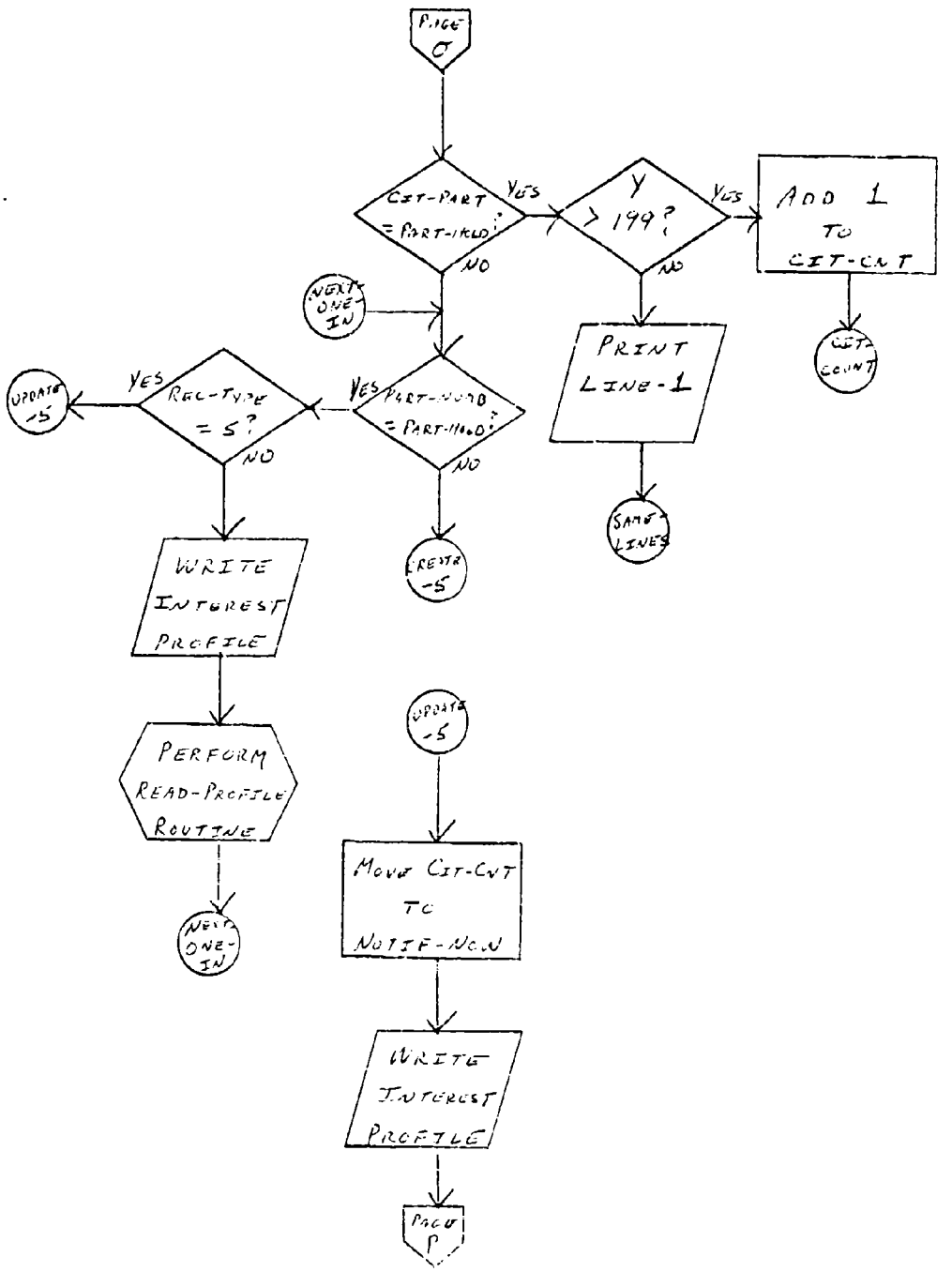
OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER
PAGE NUMBER 15 OF 17



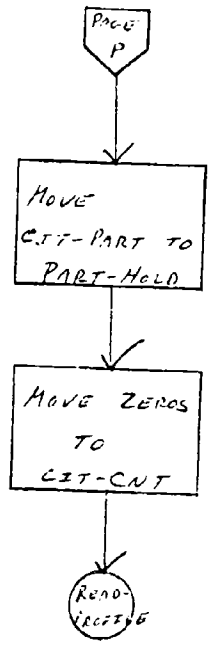


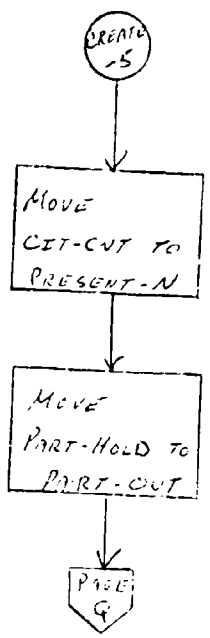

PAGE N
PRINT BLANK LINE
MOVE ZEROS TO LINE-CNT, X, TAG-CNT
CIT-COUNT
NONE-SW = 1?
YES
MOVE 0 TO NONE-SW
NO
ADD 1 TO Y
PERFORM READ-CITATION ROUTINE
PAGE O

OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER 5007
PAGE NUMBER 12 OF 19

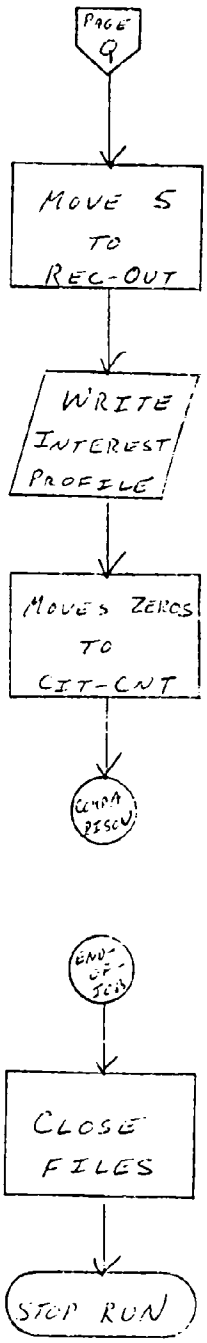


OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER 5D07
PAGE NUMBER 18 OF 19

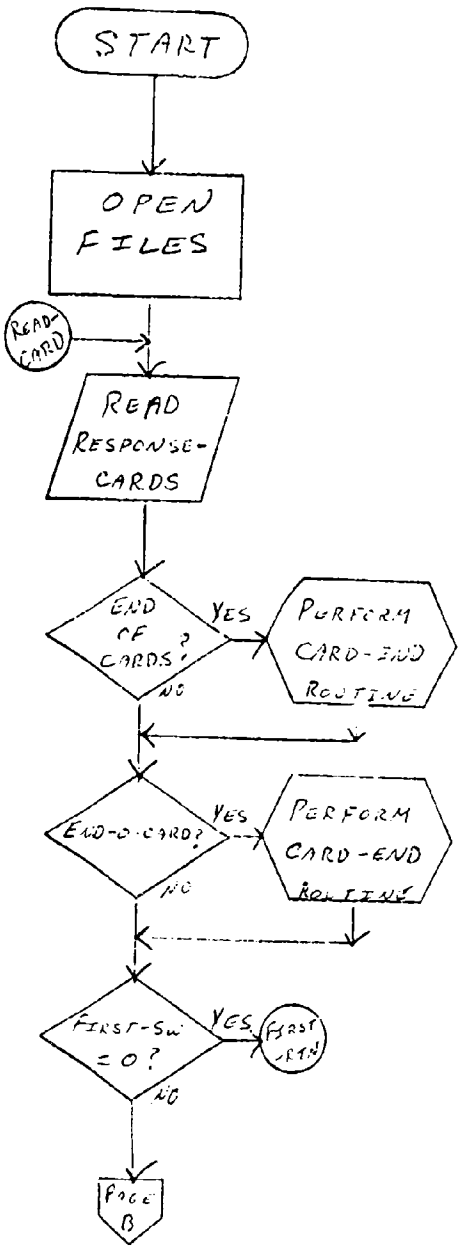




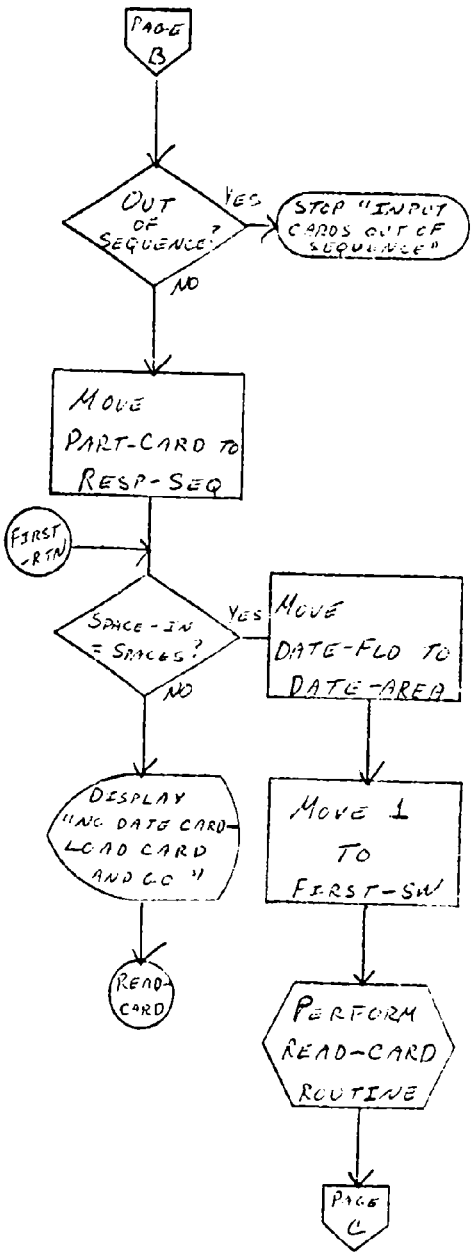
OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER SD07
PAGE NUMBER 19 OF 19



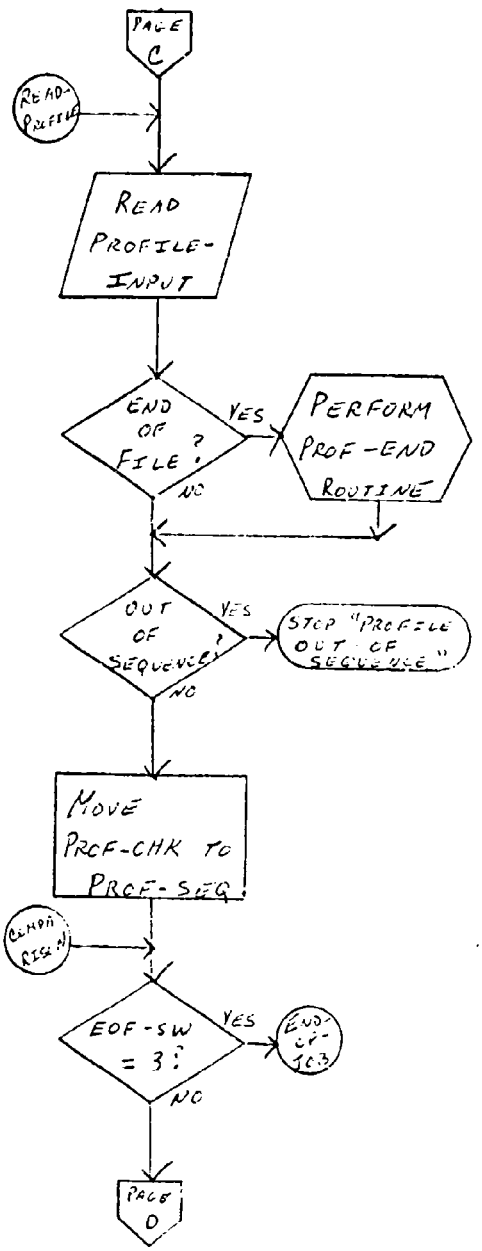
OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER 5008
PAGE NUMBER 1 OF 13



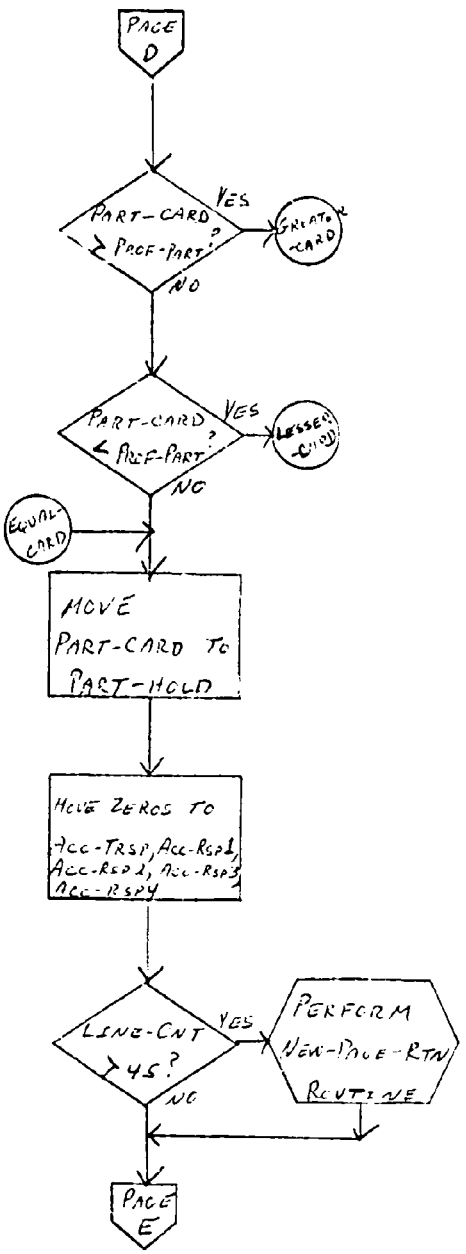
OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER 5008
PAGE NUMBER 2 OF 13



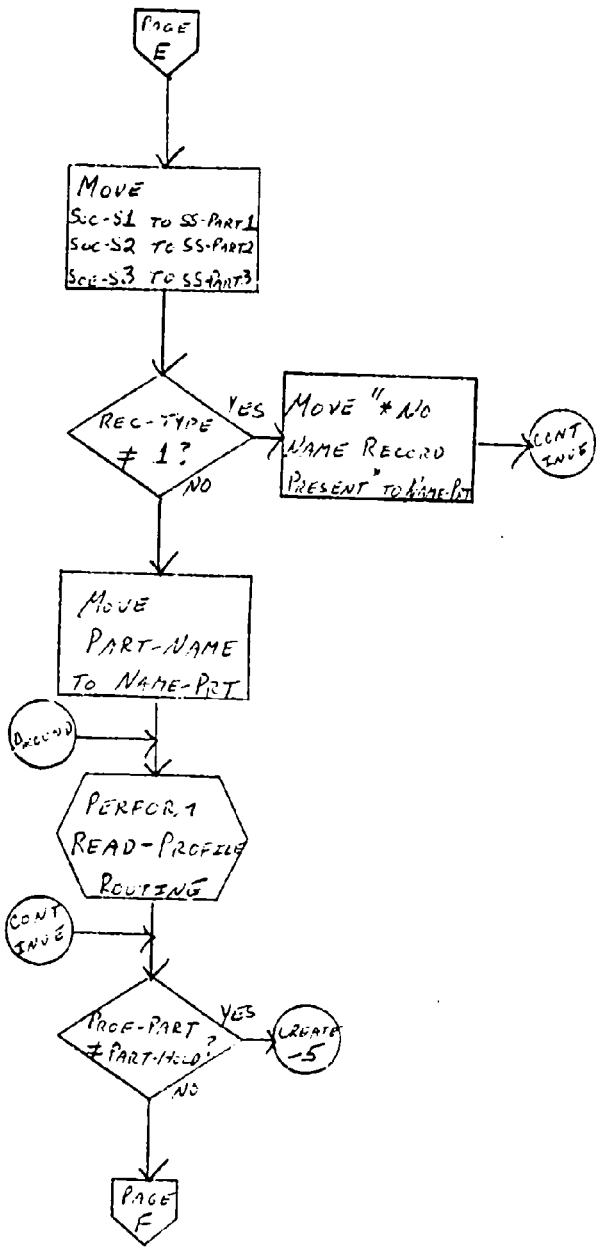
OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER SD08
PAGE NUMBER 3 OF 13



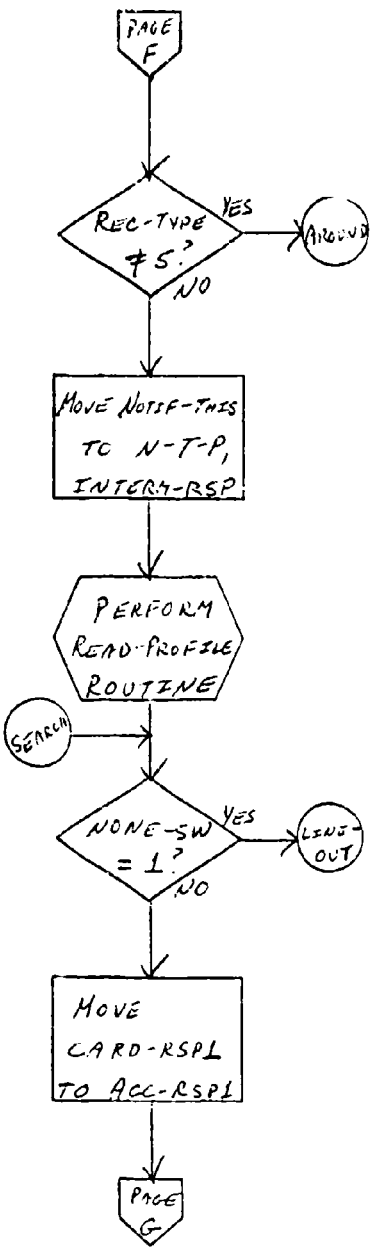
OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER 5D08
PAGE NUMBER 4 OF 13



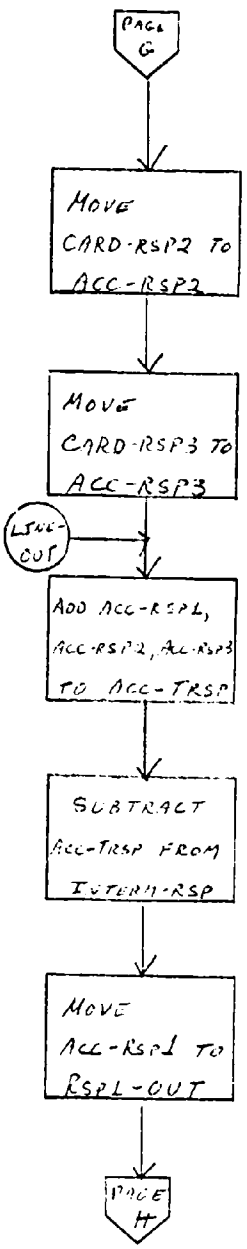
OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER 5D08
PAGE NUMBER 5 OF 13



OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER SD08
PAGE NUMBER 2 OF 13



OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER SD08
PAGE NUMBER 7 OF 13



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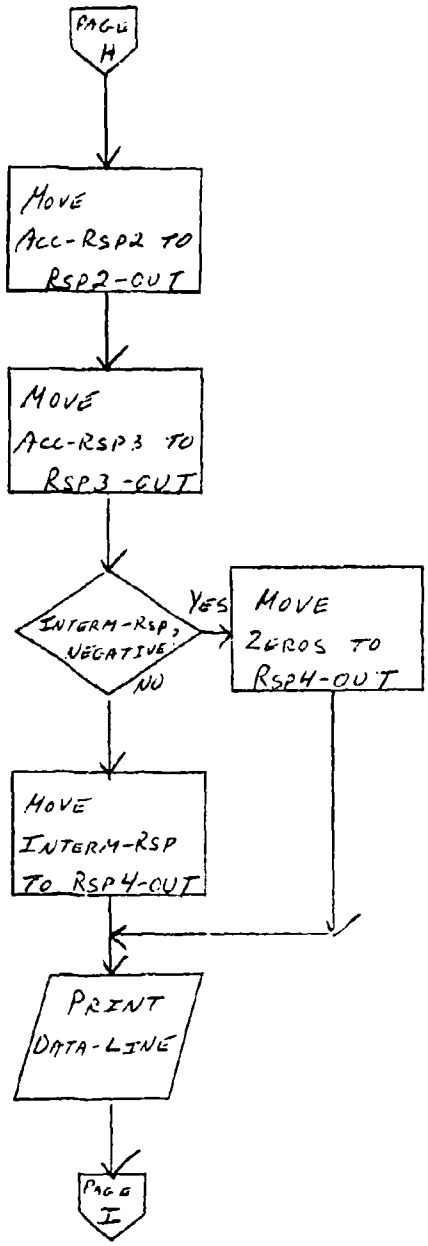
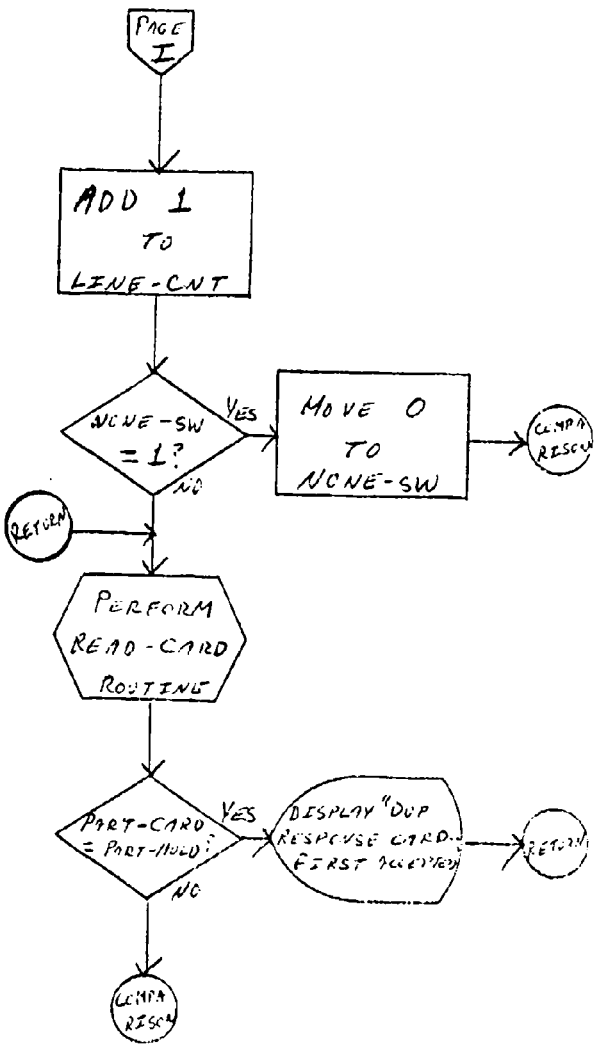


OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER 5008
PAGE NUMBER 9 OF 13



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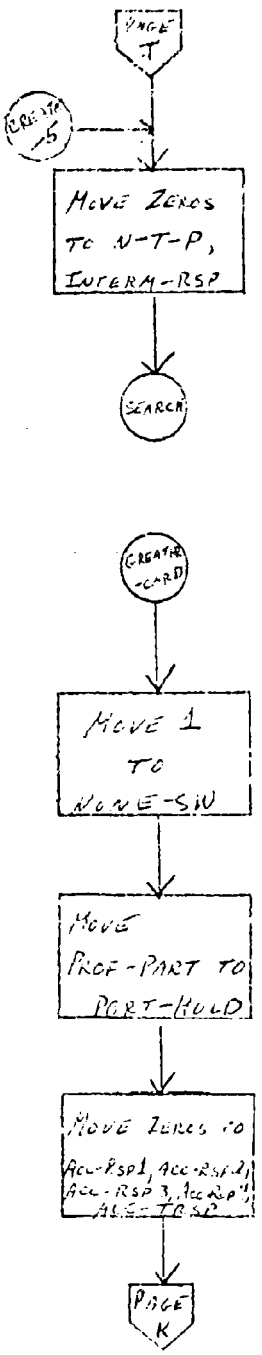
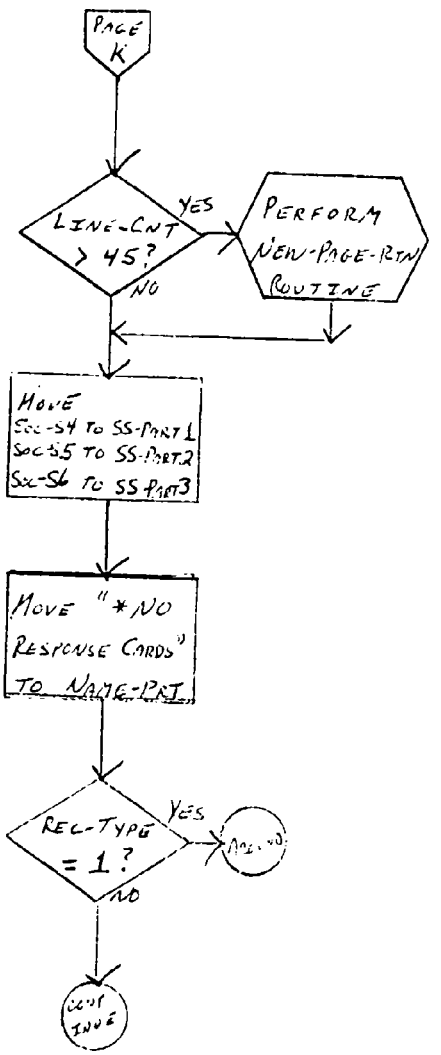
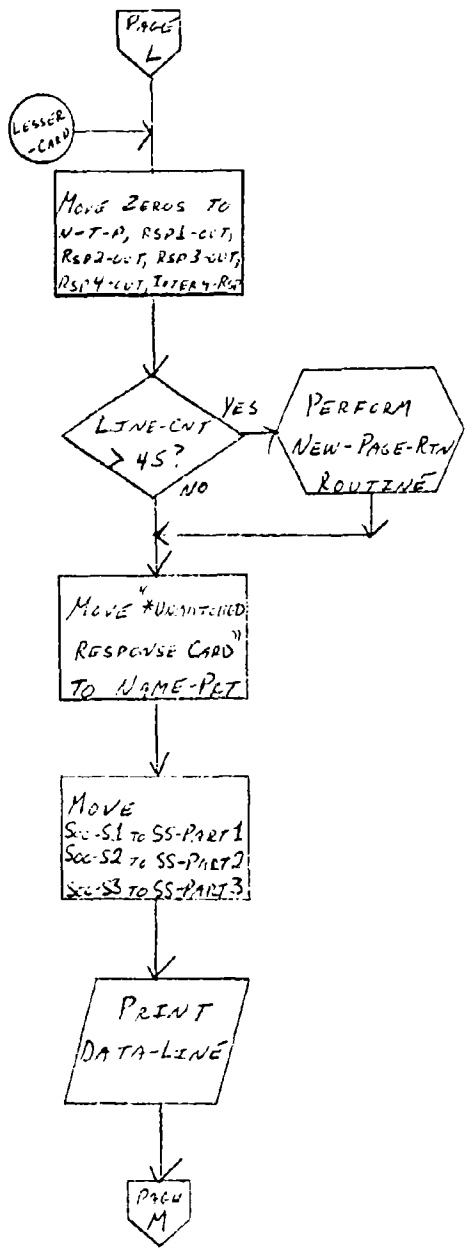
SYSTEM CHART NO.
RUN NUMBER 5008
PAGE NUMBER 10 OF 13



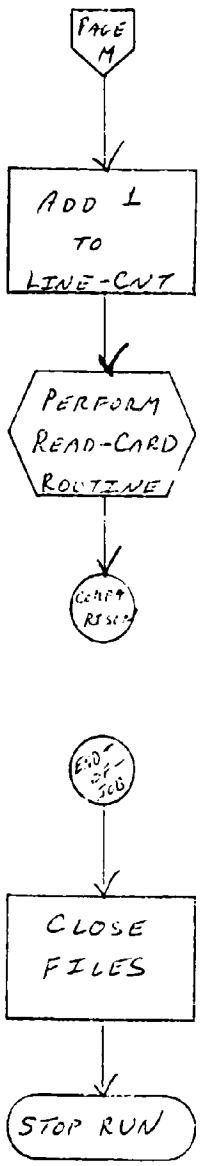
OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER 5008
PAGE NUMBER 11 OF 13



OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER 5008
PAGE NUMBER 12 OF 13



OFFICE SYMBOL
SYSTEM CHART NO.
RUN NUMBER 5D08
PAGE NUMBER 13 OF 13

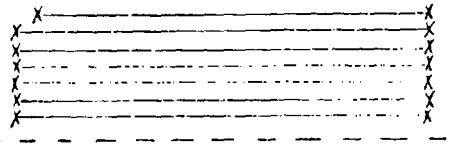


SD07

FROM - XXX

XXXX INDEX MEDICUS

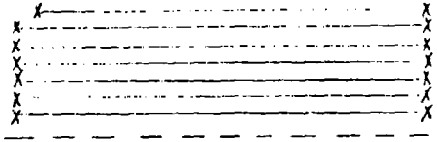
1. REPRINT
2. TRANSLATION
3. INTERESTED, NO ACTION REQUESTED

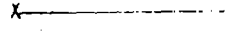


TO - XXX

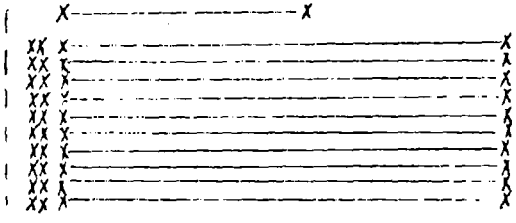
XXXX INDEX MEDICUS

REPRINT REQUESTED .....
TRANSLATION REQUESTED .....





DO NOT RETURN RESPONSES OF NO INTEREST
PLEASE RETURN MARKED RESPONSE CARDS WITHIN
10 DAYS OF NOTIFICATION DATE
HIT NO. XXX



DO NOT RETURN THIS NOTIFICATION CARD

SD04

UNMATCHED LISTING

SELECTIVE DISSEMINATION OF INFORMATION
CODE INTEREST TYPES

SD02

TECHNICAL LIBRARY
U. S. ARMY BALLISTIC RESEARCH LABORATORY
ABERDEEN PROVING GROUND, MARYLAND
SELECTIVE DISSEMINATION OF INFORMATION
TECHNICAL PROFILE STATUS REPORT

PAGE XXXX

DATE XX XXXXXXXX XXXX

PARTICIPANT NUMBER XXX-XX-XXXX

X---
X---
X---

INTEREST NUMBER - XX

TAG NR	WEIGHT	TAG
01	XX	X
02	XX	X
03	XX	X

INTEREST NUMBER - 01

TAG NR	WEIGHT	TAG
01	XX	X
02	XX	X
03	XX	X
04	XX	X
05	XX	X
06	XX	X
07	XX	X

INTEREST PROFILE UPDATE

SD01

ERROR LISTING

SELECTIVE DISSEMINATION OF INFORMATION
INTEREST PROFILE UPDATE

ERROR CODE

PAGE YX

X	X	XX
X	X	XX
X	X	XX

SD09

TECHNICAL LIBRARY
FORT DETRICK
FREDERICK, MARYLAND

CURRENT AWARENESS STATISTICS

PARTICIPANT NUMBER	PARTICIPANT NAME	NOTIFICATIONS THIS PERIOD	AVG RESPONSES BY TYPE 1	2	3	4
XXX-XX-XXXX	XX----XX	XXX	XXX	XXX	XXX	XXX
XXX-XX-XXXX	XX----XX	XXX	XXX	XXX	XXX	XXX

CARD FORMAT

TITLE Name Card (Update Interest Profile)

Columns	Field
1–9	Participant Number
10	Card Type (1)
11–14	Filler
15	Type Action
16–20	Filler
21–55	Participant Name
56–58	Part. Ident. No.
59–80	

AMC FORM 1600-P
20 DEC 67

CARD FORMAT

TITLE ADDRESS CARD (UPDATE INTEREST PROFILE)

Columns	Field
1–9	PARTICIPANT NUMBER
10	CARD TYPE
11–14	FILLER
15	TYPE ACTION
16–17	FILLER
18–47	ADDRESS LINE 1
48–77	ADDRESS LINE 2
78–80	

CARD FORMAT

TITLE INTEREST TAG CARD (UPDATE INTEREST PROFILE)

PARTICIPANT NUMBER	CARD TYPE	INTEREST	NUMBER	TAG	NUMBER	TYPE ACTION	FILLER	WEIGHT	TAG NAME

AMC FORM 1600-R
20 DEC 67

CARD FORMAT

TITLE END OF DATA CARD (UPDATE INTEREST PROFILE)

LEOF	

AMC FORM 1600-R
20 DEC 67

MEDIA: TAPE
TITLE: INTEREST PROFILE

DATA PROCESSING STORAGE FORMAT

BIT / FIELD TYPE						
DATA	PARTICIPANT NUMBER	RECORD TYPE 1	FILLER	PARTICIPANT NAME	FILLER	

BIT / FIELD TYPE						
DATA	PARTICIPANT NUMBER	RECORD TYPE 2	FILLER	ADDRESS LINE 1	ADDRESS LINE 2	

BIT / FIELD TYPE							
DATA	PARTICIPANT NUMBER	RECORD TYPE 3	INTEREST NUMBER	NUMBER OF TAGS	WEIGHT	TAG NAME	FILLER

BIT / FIELD TYPE					
DATA	PARTICIPANT NUMBER	RECORD TYPE 4	FILLER	NOTE THIS Record	FILLER

FILE NAME: AHA/PROFOUT
RECORD LENGTH: 74
BLOCKING FACTOR: 55

DATA PROCESSING STORAGE FORMAT

BIT FIELD TYPE						
DATA	INTEREST TAX NAME	PARTICIPANT NUMBER	INTEREST	TAX NUMBER	TAX NUMBER	WEIGHT

BIT FIELD TYPE	
DATA	

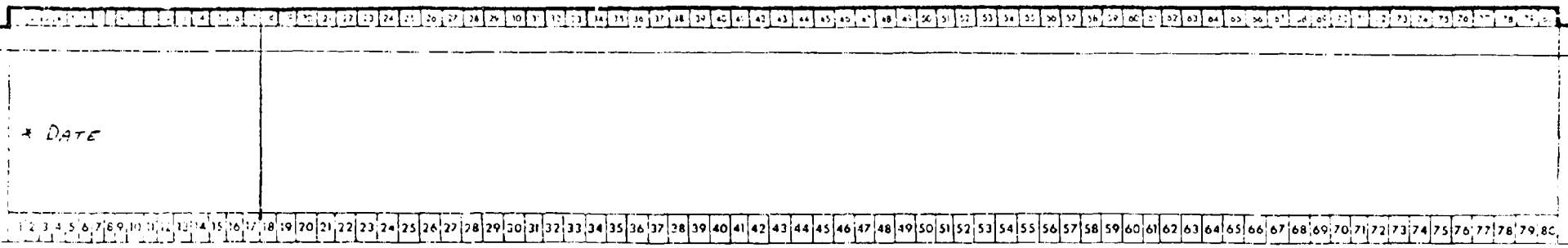
BIT FIELD TYPE	
DATA	

BIT FIELD TYPE	
DATA	

FILE NAME: INTTAC/SKTOTACS
RECORD LENGTH: 63
BLOCKING FACTOR: 8

CARD FORMAT

TITLE DATE CARD



* DATE - DAY MONTH YEAR

DD MMMMMMMMM YYYY

AMC FORM 1600-R
X DEC 67

MEDIA: DISK
TITLE: CODED INTEREST TAGS

DATA PROCESSING STORAGE FORMAT

| BIT | | |

MEDIA: DISK

TITLE: MEDLARS MEDICAL SUBJECT HEADING (MESH) DICTIONARY

DATA PROCESSING STORAGE FORMAT

BIT / FIELD TYPE		
DATA	ENGLISH MAIN HEADING	MAIN HEADING CODE

BIT / FIELD TYPE	
DATA	

BIT / FIELD TYPE	
DATA	

BIT / FIELD TYPE	
DATA	

FILE NAME: CONVMDT-DISK/SRTOMDT-DISK

RECORD LENGTH: 56

BLOCKING FACTOR: 9

MEDIA: DISK
TITLE: RECALLED CITATION FILE (RCF)

DATA PROCESSING STORAGE FORMAT

BIT FIELD TYPE		
DATA	CITATION NUMBER	BODY OF CITATION

BIT FIELD TYPE	
DATA	CONT'D CITATION BODY

BIT FIELD TYPE	
DATA	CONT'D CITATION BODY

BIT FIELD TYPE												
DATA	NUMBER OF RECORD	MAIN HEADING CODE	1	2	3	4	5	6	7	8	9	10	11

FILE NAME: CONVRCF-DISK
RECORD LENGTH: 672
BLOCKING FACTOR: 3

DATA PROCESSING STORAGE FORMAT

BIT FIELD TYPE													
DATA	DATA HEADING CODE 12	13	14	15	16	17	18	19	20	21	22	23	

BIT FIELD TYPE													
DATA	24	25	26	27	28	29	30	31	32	33	34	35	36

BIT FIELD TYPE													
DATA	37	38	39	40	41	42	43	44	45				

BIT FIELD TYPE	
DATA	

FILE NAME: SOURCE-DISK
RECORD LENGTH: 672
BLOCKING FACTOR: 3

MEDIA: DISK
TITLE: SELECTED CITATIONS

DATA PROCESSING STORAGE FORMAT

BIT FIELD TYPE		
DATA	PARTICIPANT NUMBER	BODY OF CITATION

BIT FIELD TYPE	
DATA	CONT'D BODY OF CITATION

BIT FIELD TYPE	
DATA	CONT'D BODY OF CITATION

BIT FIELD TYPE			
DATA	NUMBER OF TAG BITS	TAG INFORMATION - 1	TAG INFORMATION - 2

FILE NAME:
RECORD LENGTH:
BLOCKING FACTOR:

MEDIA: DISK
TITLE: CLIP SELECTED CITATIONS

DATA PROCESSING STORAGE FORMAT

BIT FIELD TYPE		
DATA	TAG INFORMATION - 3	TAG INFORMATION - 4

BIT FIELD TYPE			
DATA	TAG INFORMATION - 5	TAG INFORMATION - 6	TAG

BIT FIELD TYPE			
DATA	INFORMATION - 7	TAG INFORMATION - 8	TAG

BIT FIELD TYPE		
DATA	INFORMATION - 9	TAG INFORMATION - 10

FILE NAME:
RECORD LENGTH:
BLOCKING FACTOR:

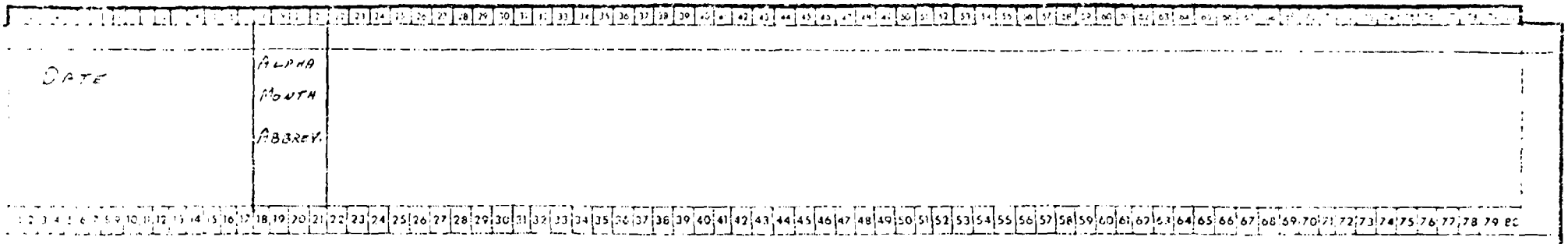
TITLE CONTROL CARD (PRINT NOTIFICATIONS) CARD FORMAT

STARTING PARTICIPANT NUMBER	ENDING PARTICIPANT NUMBER		
			*

AMC 1600-R

TITLE DATE CARD (PRINT NOTIFICATIONS)

CARD FORMAT



DATE FORMAT: DAY MONTH YEAR

DD MMMMMMMMM YYYY

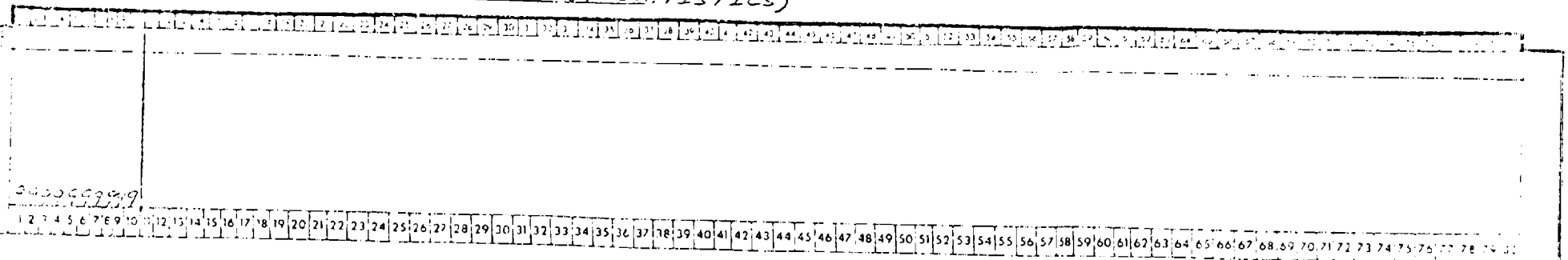
CARD FORMAT

(SDI PRINT STATISTICS)

EQUIPMENT NUMBER	NO. OF TYPE 1	NO. OF TYPE 2	NO. OF TYPE 3

CARD FORMAT

THE END OF DATA CARD (SDI PRINT STATISTICS)



UNCLASSIFIED
Security Classification

DOCUMENT CONTROL DATA - R & D

(Security classification of title, body of abstract and indexing annotation must be entered when the overall report is classified)

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	2b. GROUP: Not Applicable

3. REPORT TITLE

Selective Dissemination of Information System - VOLUME I

4. DESCRIPTIVE NOTES (Type of report and inclusive dates)

Final Report

5. AUTHOR(S) (First name, middle initial, last name)

Sally Lukasiewicz

6. REPORT DATE	7a. TOTAL NO. OF PAGES	7b. NO. OF REFS
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DAAA-13-68-C-0173	
b. PROJECT NO.	None
c.	9b. OTHER REPORT NO(S) (Any other numbers that may be assigned this report)
d.	None

10. DISTRIBUTION STATEMENT

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11. SUPPLEMENTARY NOTES	12. SPONSORING MILITARY ACTIVITY
Supersedes AD 617086	Department of Army Fort Detrick Frederick, Maryland 21701

13. ABSTRACT

The National Library of Medicine's MEDLARS program provides magnetic tapes containing citations of interest to Fort Detrick. COBOL programs written for the CDC 3150 create individual profiles, updates, print notice-response cards and provide statistical reports.

DD FORM 1 NOV 68 1473 REPLACES DD FORM 1473, 1 JAN 64, WHICH IS OBSOLETE FOR ARMY USE.

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Security Classification

Security Classification

14. KEY WORDS	LINK A		LINK B		LINK C	
	ROLE	WT	ROLE	WT	ROLE	WT

Security Classification